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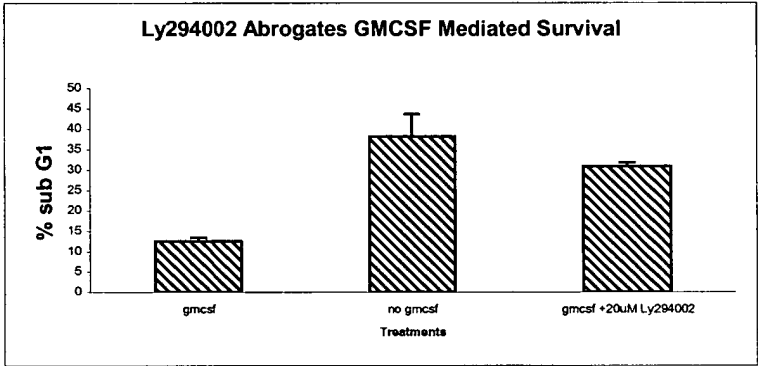
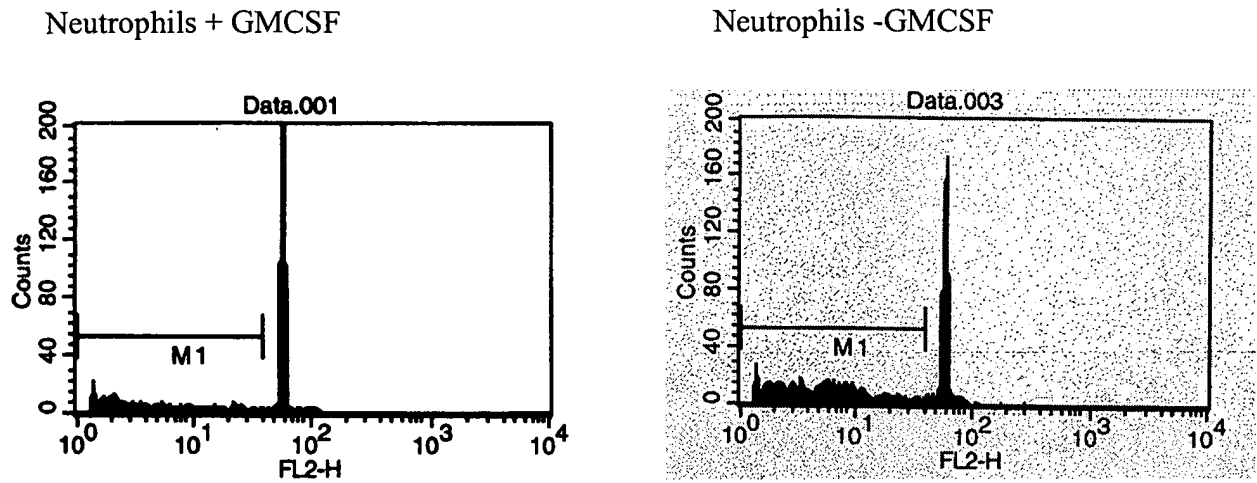
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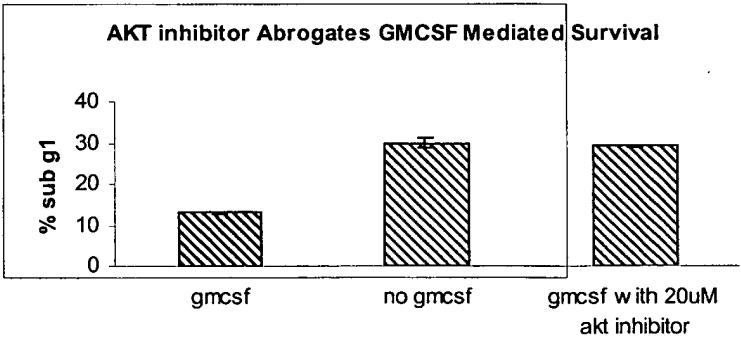
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**FIGURE 1**

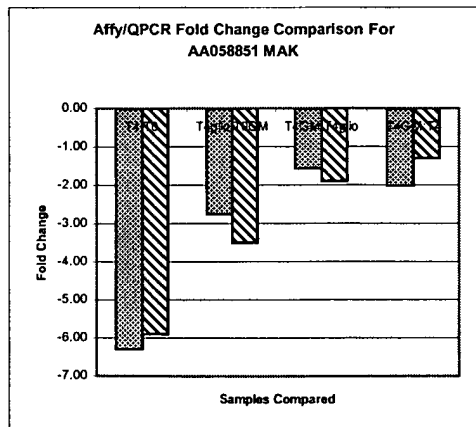
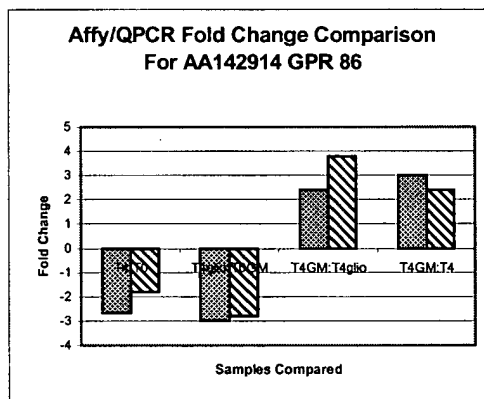
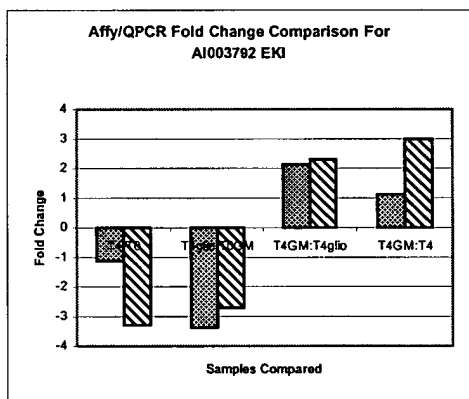
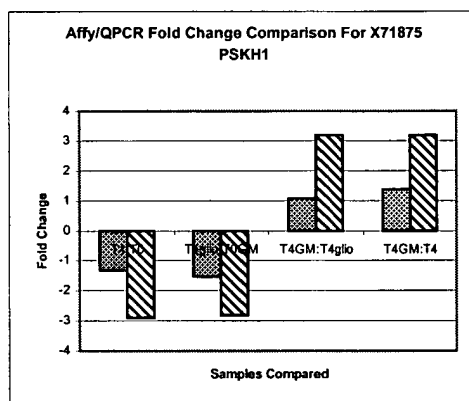
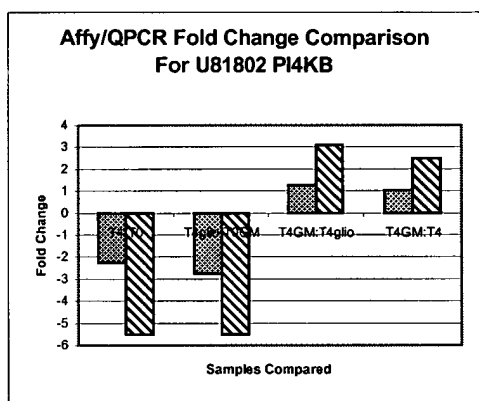
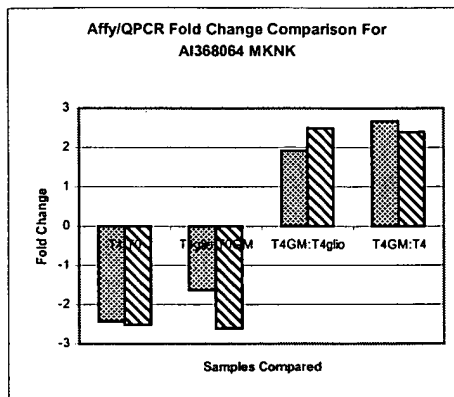
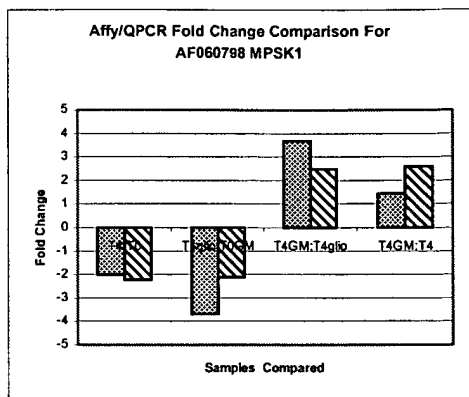


**FIGURE 2**

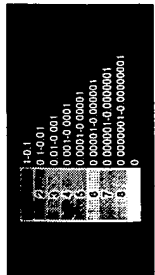


**FIGURE 3**

**FIGURE 4**



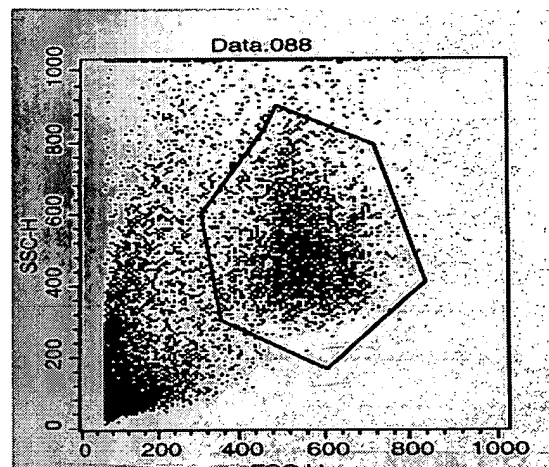
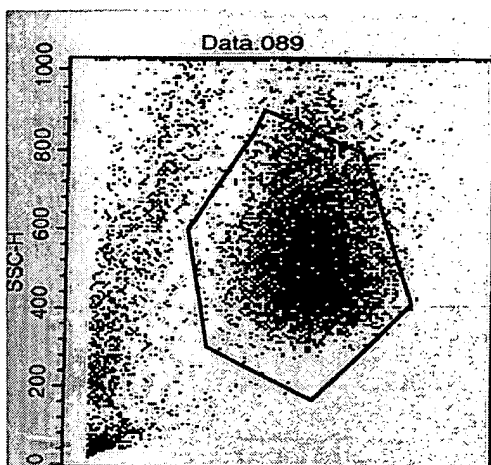
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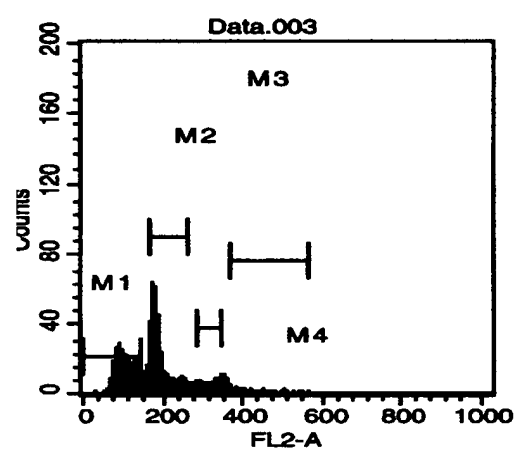
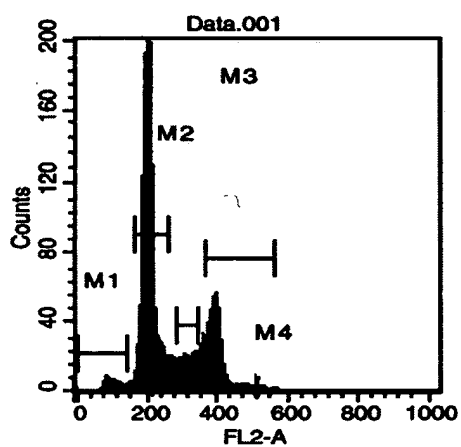
**+GMCSF**

**-GMCSF**

**FIGURE 6**



**FIGURE 7**



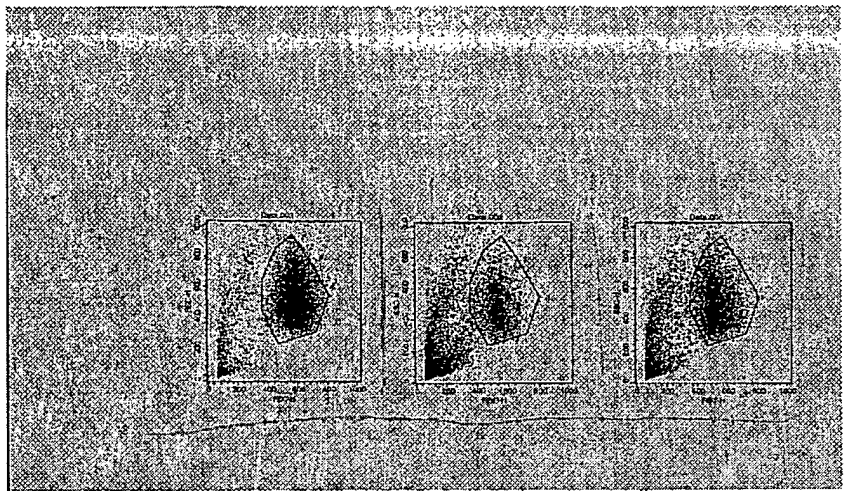
**FIGURE 8**

A)  
+GMCSF

B)  
-GMCSF

C)  
-GMCSF/ Bcl2

Total Population



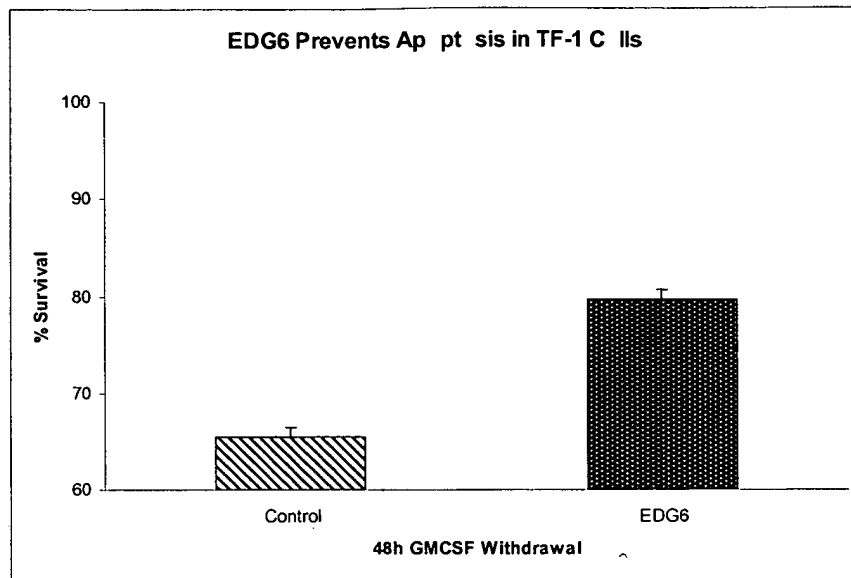


FIGURE 9

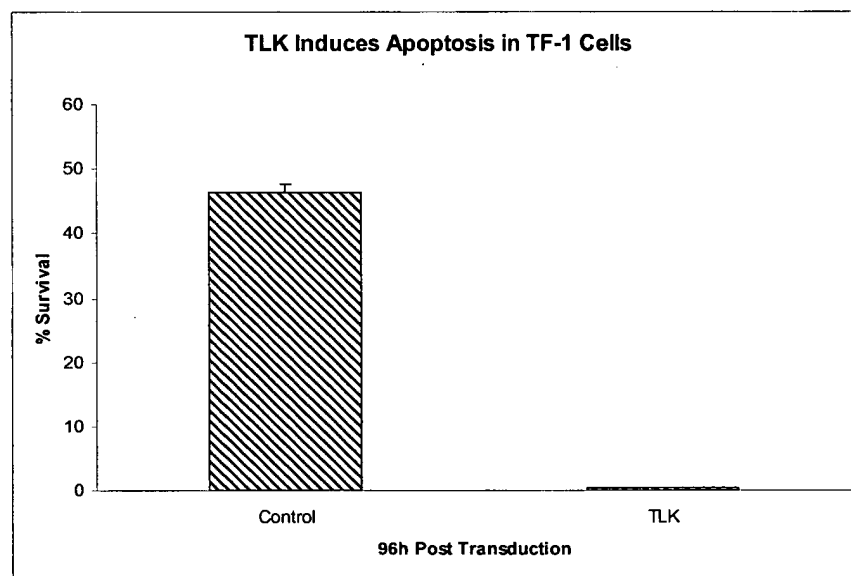


FIGURE 10

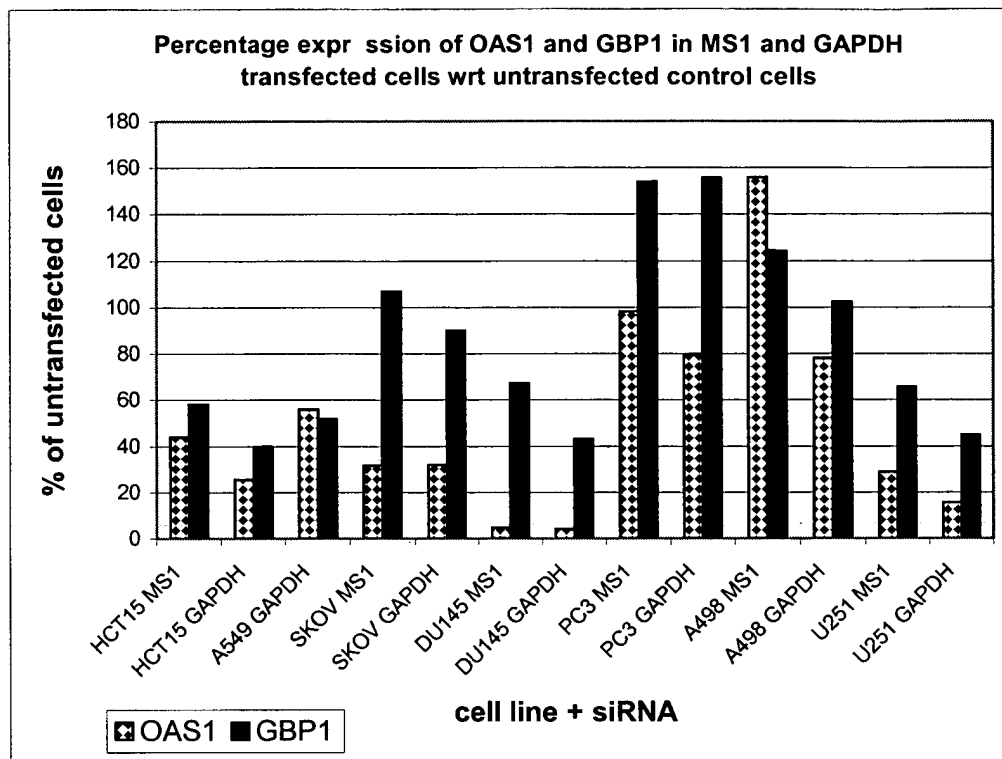
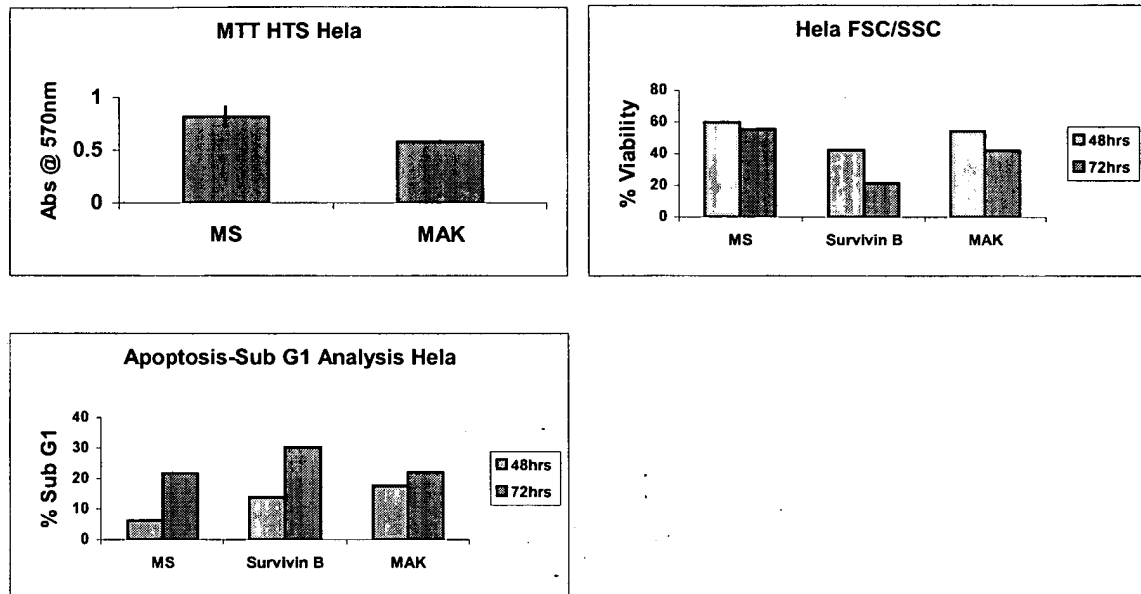


FIGURE 11

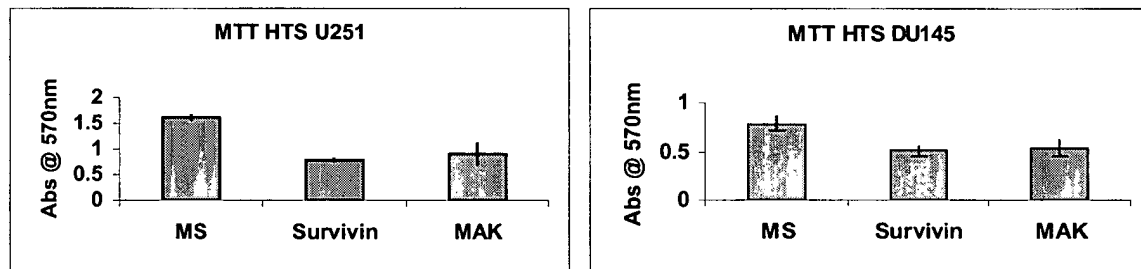


Figure 12 Apoptosis modulation by siRNA Knockdown of MAK

(a) Apoptosis in the Hela Cell Line as detected by MTT, FSC/SSC and Sub G1 Analysis.



(b) Apoptosis induced in other Cancer Cell Lines as determined by MTT HTS Analysis.



(c) Knockdown of MAK does not induce Apoptosis in the following cell types as detected by MTT HTS.

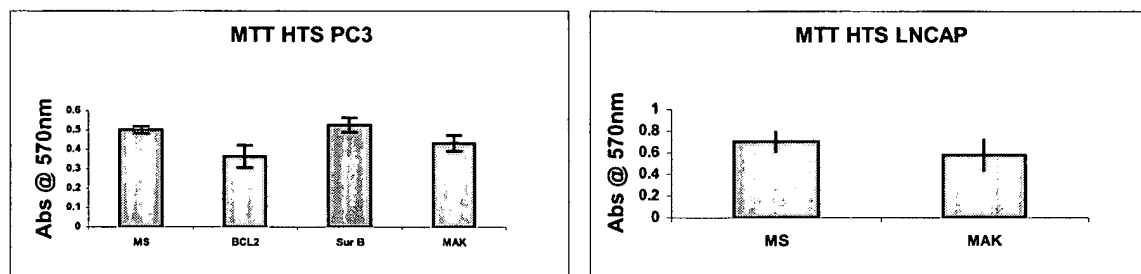
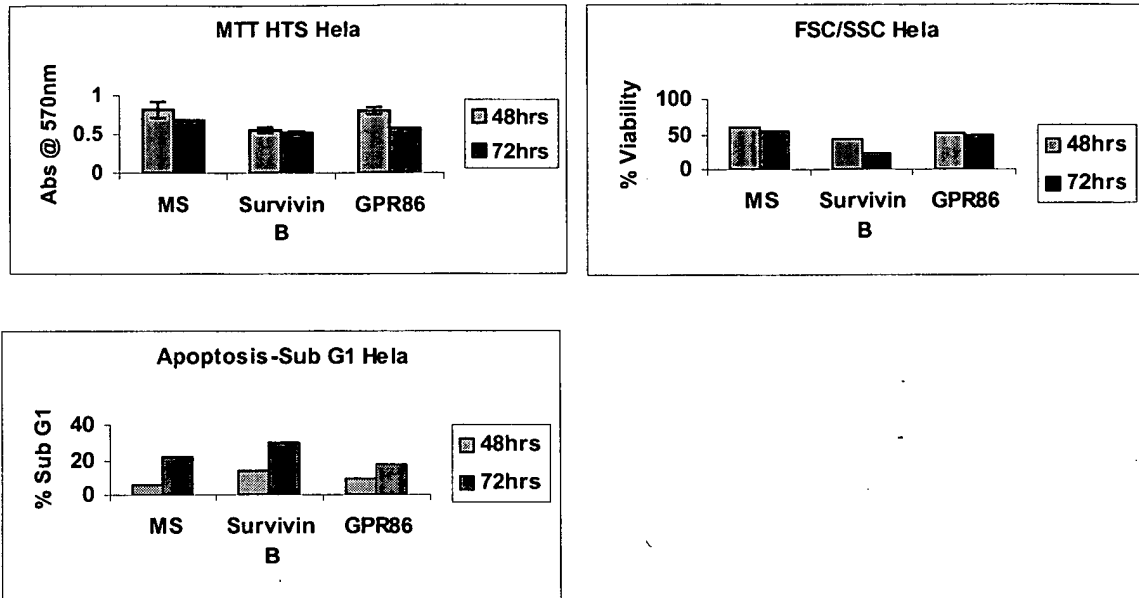
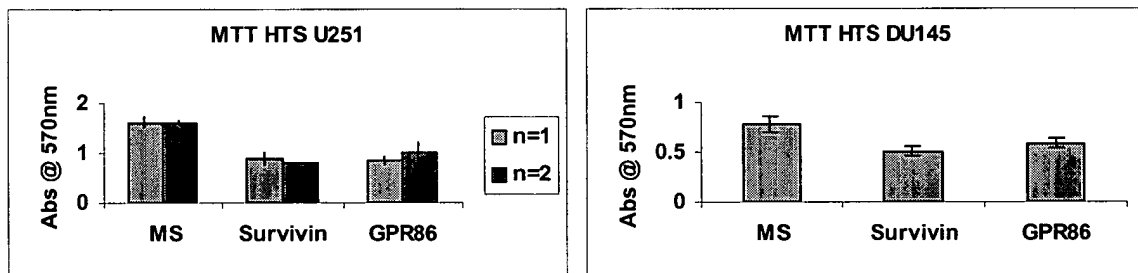


Figure 13 Apoptosis modulation by siRNA Knockdown of GPR86

(a) Apoptosis in the Hela Cell Line as detected by MTT HTS, FSC/SSC and Sub G1 Analysis.



(b) Apoptosis induced in other Cancer Cell Lines as detected by MTT HTS Analysis.



(c) Apoptosis induced in other Cell Lines as detected by FSC/SSC Analysis.

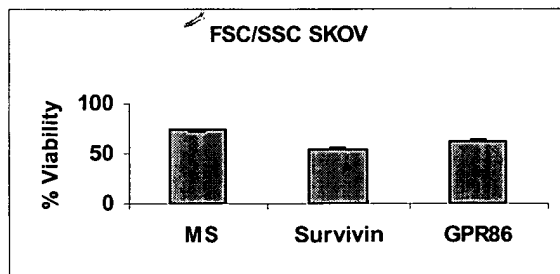
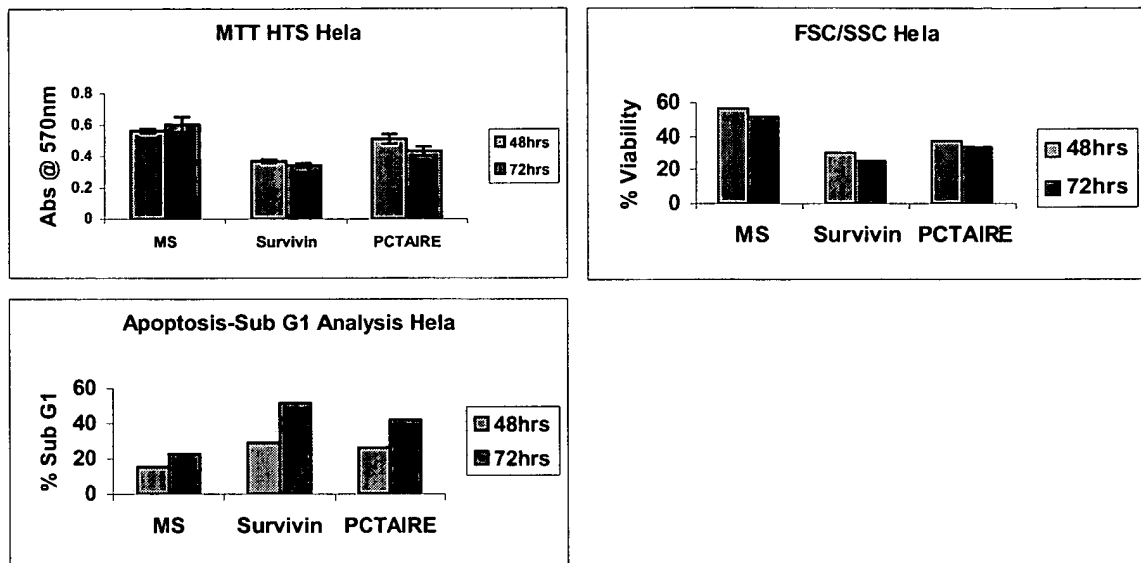
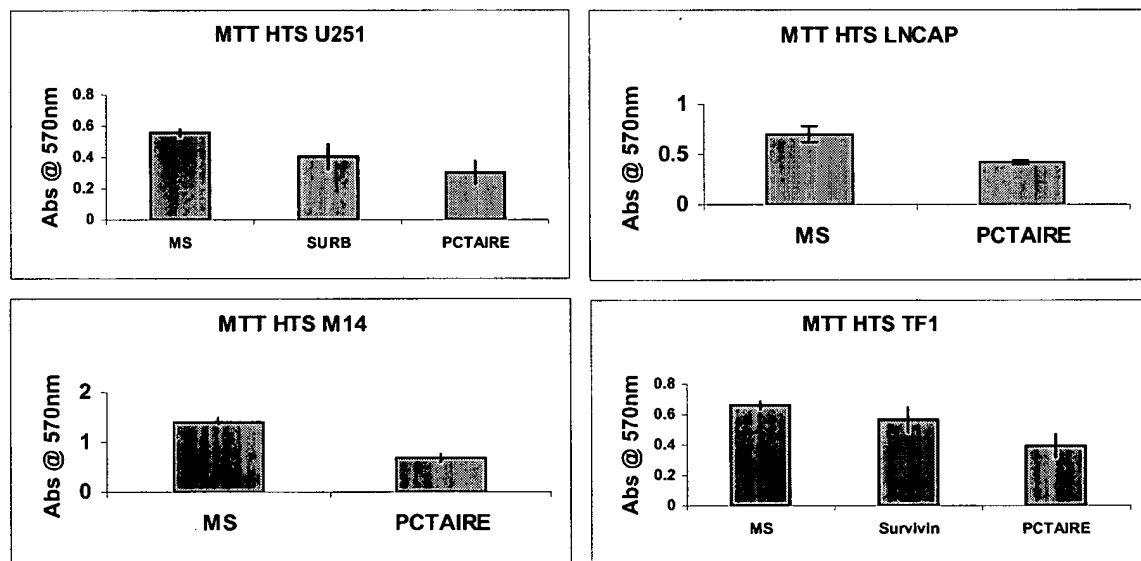


Figure 14 Apoptosis modulation by siRNA Knockdown of PCTAIRE

(a) Apoptosis in the Hela Cell Line as detected by MTT, FSC/SSC and Sub G1 Analysis.



(b) Apoptosis induced in other Cell Lines as detected by MTT HTS Analysis.



(c) Knockdown of PCTAIRE does not induce Apoptosis in the Prostate cancer cell type as detected by MTT HTS.

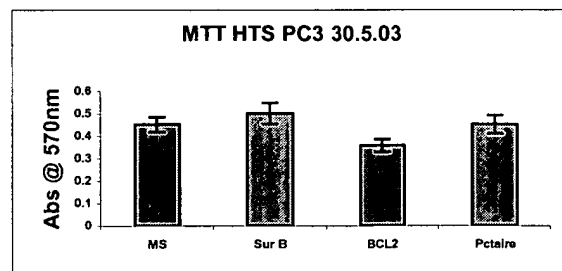
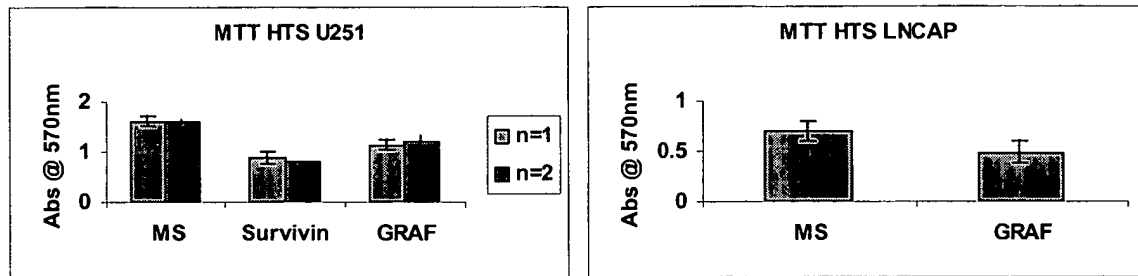


Figure 15 Apoptosis modulation by siRNA Knockdown of GRAF

(a) Apoptosis in Cancer Cell Lines as detected by MTT HTS Analysis.



(b) GRAF knockdown does not induce Apoptosis in the Hela cervical cancer cell line as detected by MTT HTS.

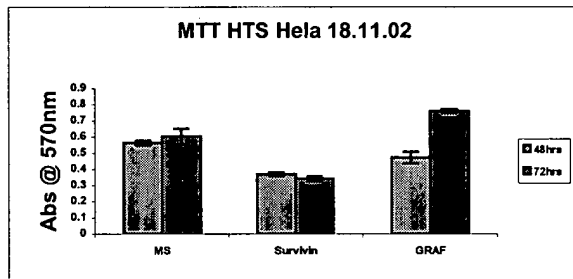
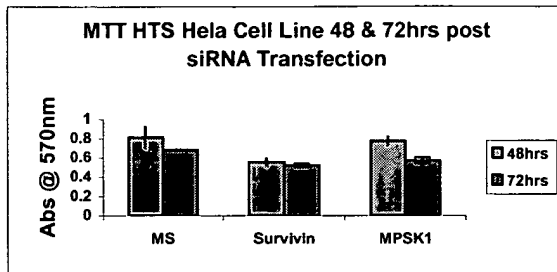


Figure 16 Apoptosis modulation by siRNA Knockdown of MPSK1

(a) Knockdown of MPSK1 does not induce Apoptosis in the Hela cervical cancer cell line as detected by MTT HTS.



(b) Apoptosis induced in Cancer Cell Lines as detected by MTT HTS Analysis.

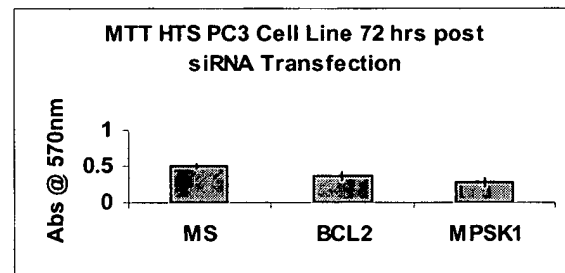
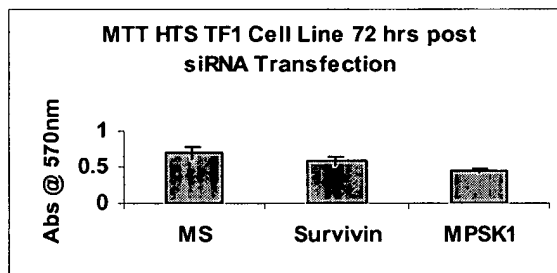
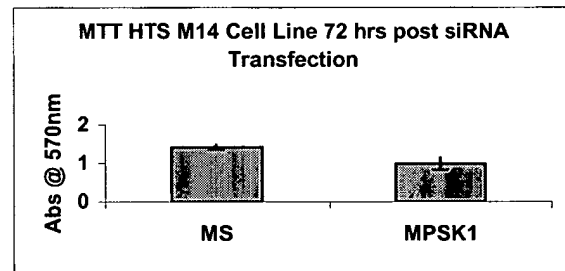
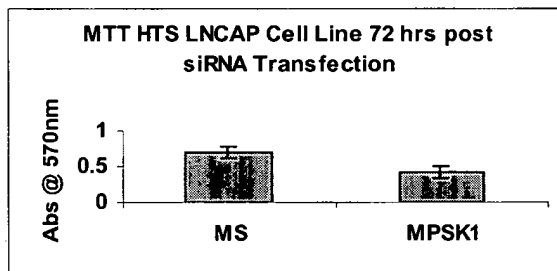
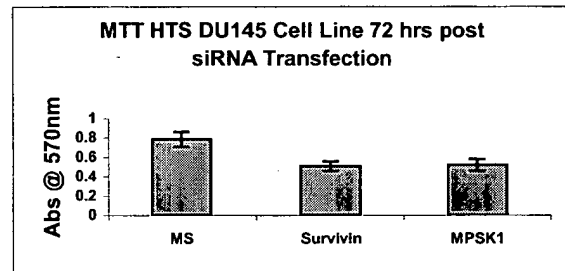
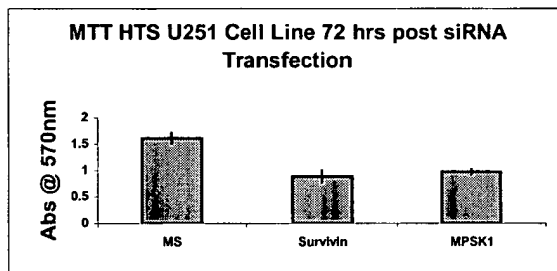


Figure 17 Apoptosis modulation by siRNA Knockdown of RS6PK

(a) Apoptosis induced in the CNS Cancer Cell Line as detected by MTT HTS Analysis.

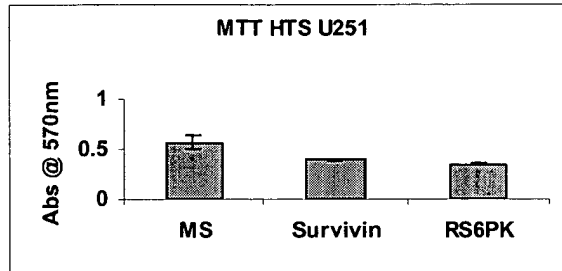
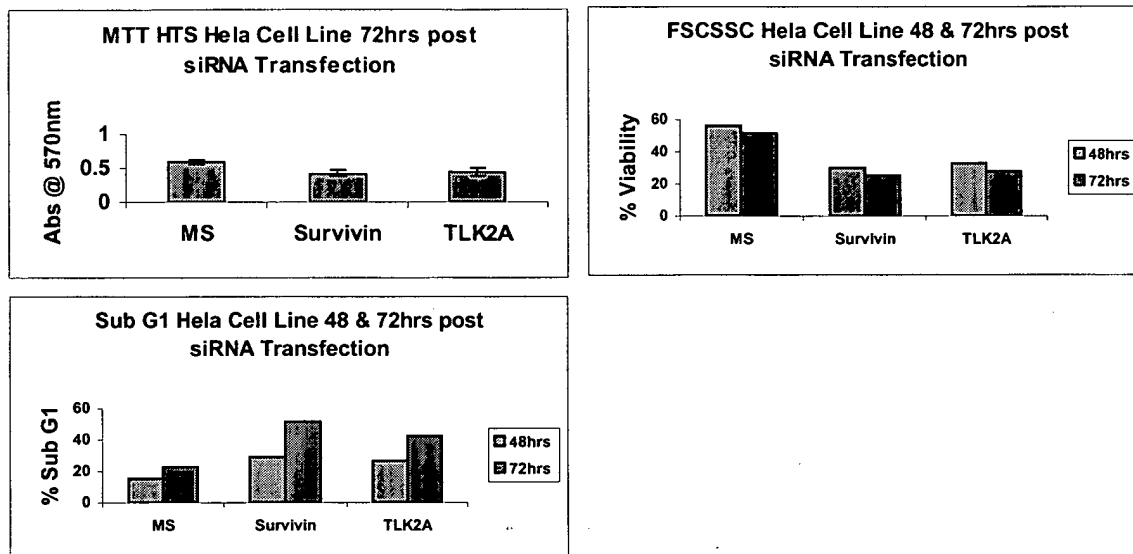


Figure 18 Apoptosis modulation by siRNA Knockdown of TLK2  
 Note that 2 siRNA Oligos to TLK2 are investigated i.e. TLK2A and TLK2B.

(a) Apoptosis in the Hela Cell Line as detected by MTT, FSC/SSC and Sub G1 Analysis.



(b) Apoptosis in other Cancer Cell Lines as detected by MTT HTS Analysis.

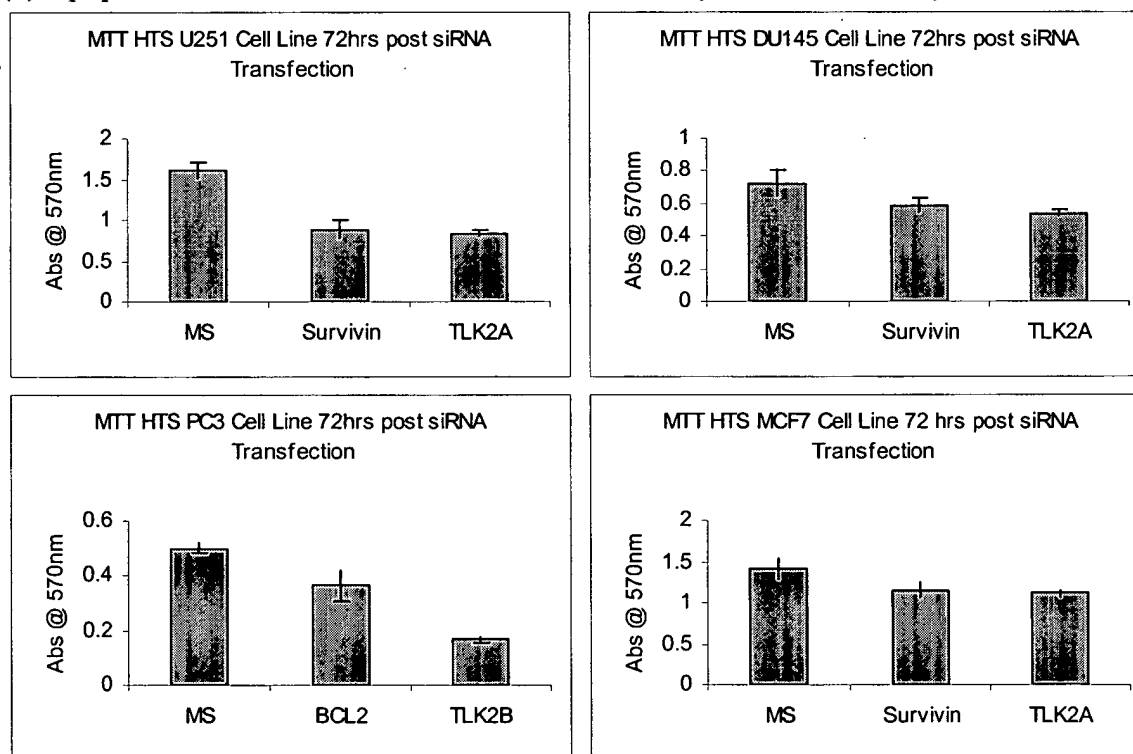
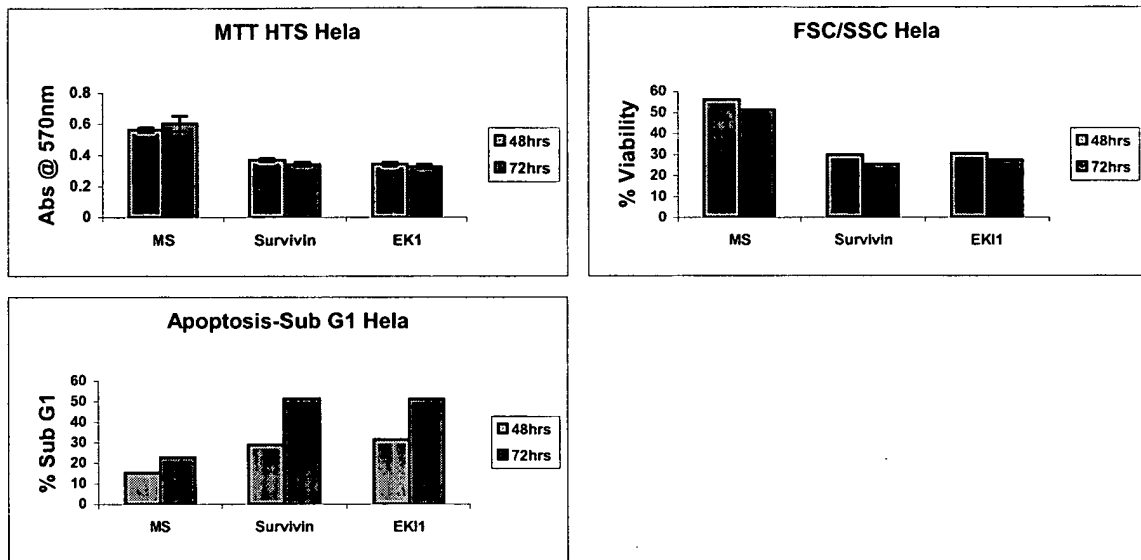


Figure 19 Apoptosis modulation by siRNA Knockdown of EK1

(a) Apoptosis in the Hela Cell Line as detected by MTT, FSC/SSC and Sub G1 Analysis.



(b) Apoptosis in other Cancer Cell Lines as detected by MTT HTS Analysis.

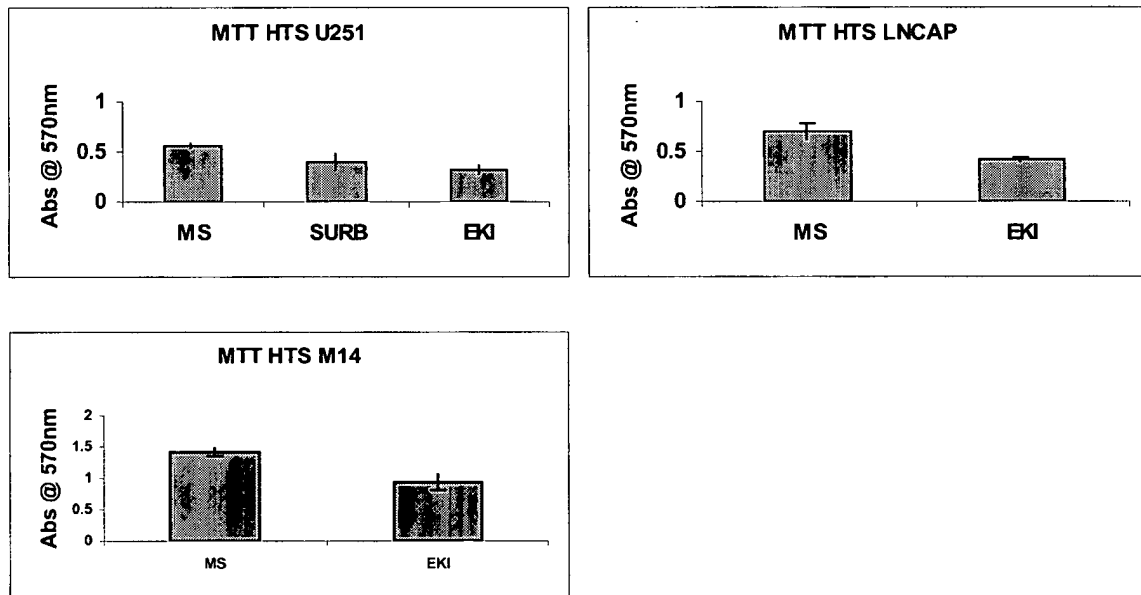
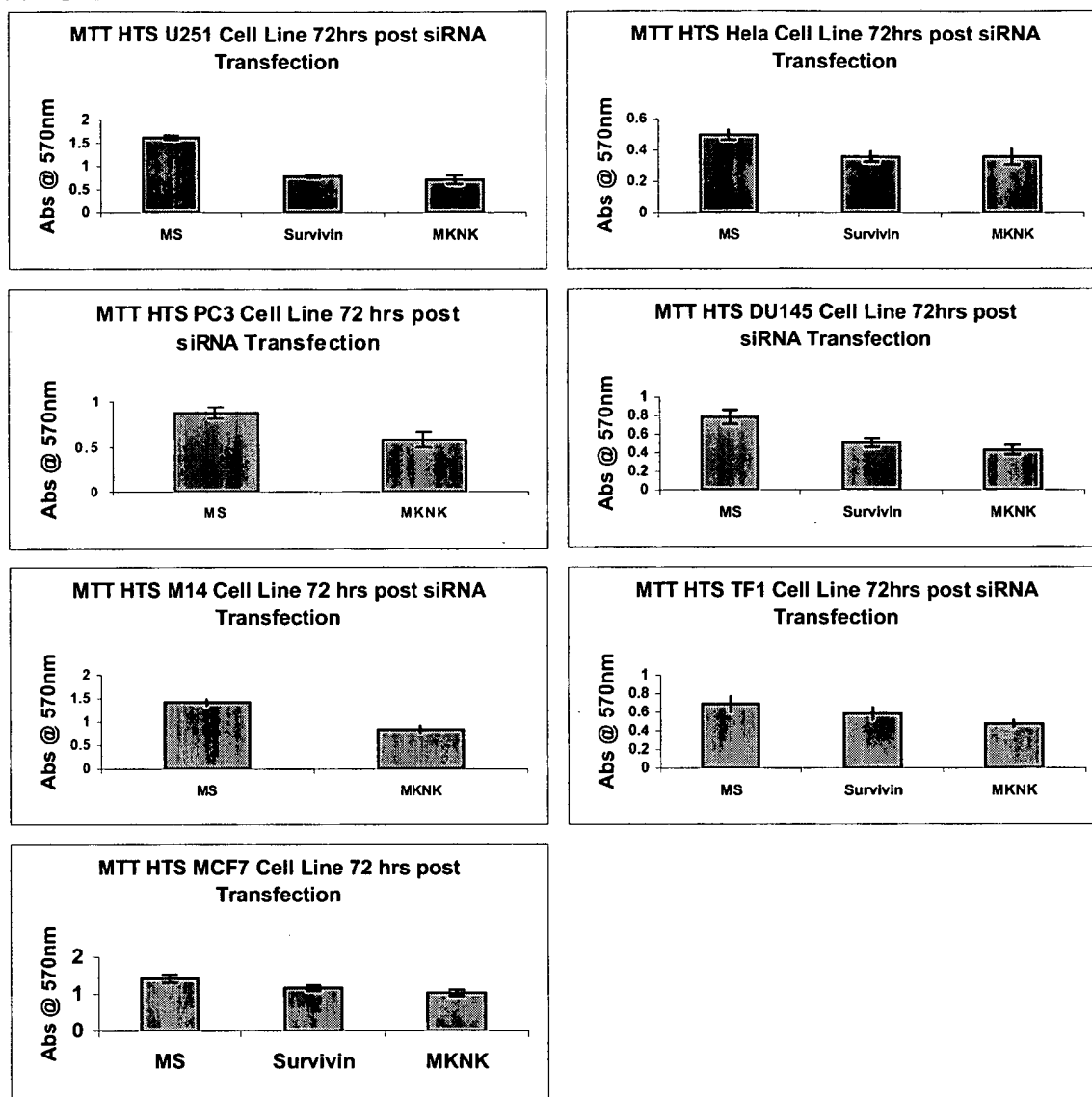




Figure 20 Apoptosis modulation by siRNA Knockdown of MKNK

(a) Apoptosis in Cancer Cell Lines as detected by MTT HTS Analysis.



(B) Apoptosis in SKOV3 Cancer Cell Line as detected by FSC/SSC Analysis.

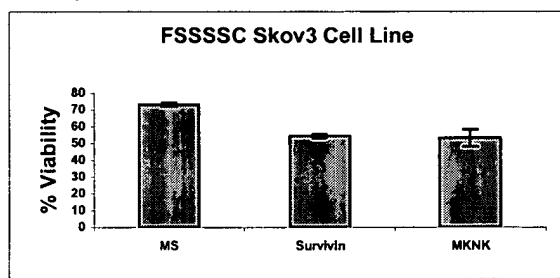
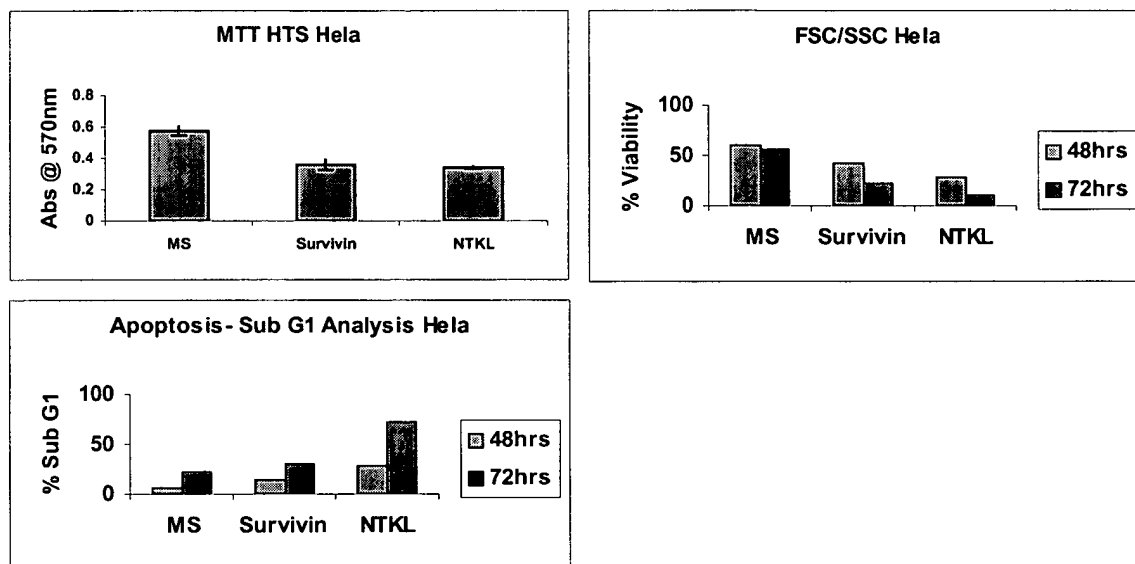


Figure 21 Apoptosis modulation by siRNA Knockdown of NTKL

(a) Apoptosis in the Hela Cell Line as detected by MTT, FSC/SSC and Sub G1 Analysis.



(b) Apoptosis in the U251 Cell Line as detected by MTT HTS, FSC/SSC and Sub G1 Analysis.

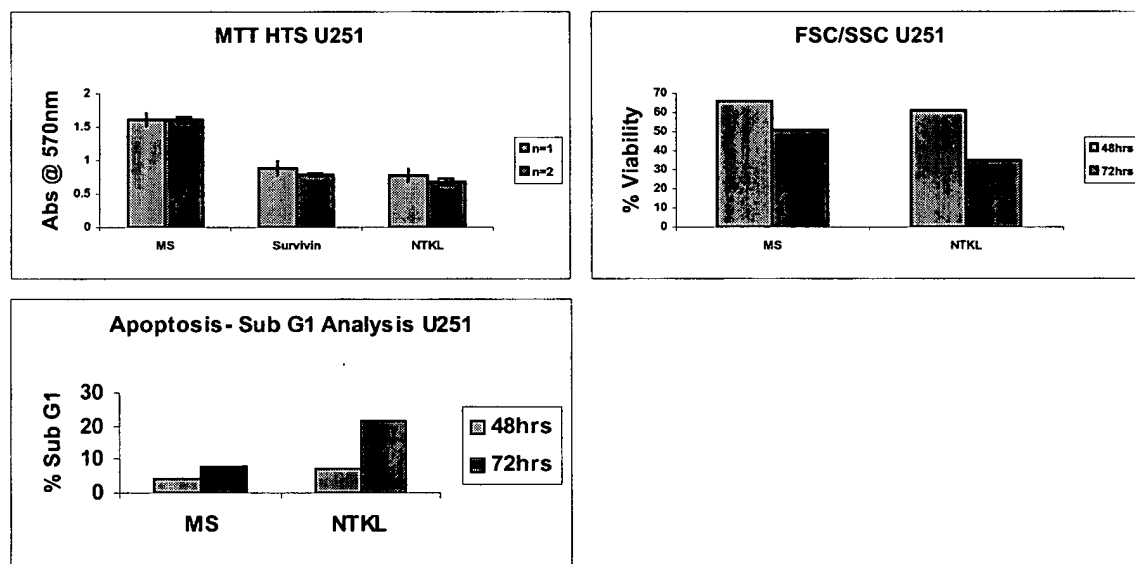
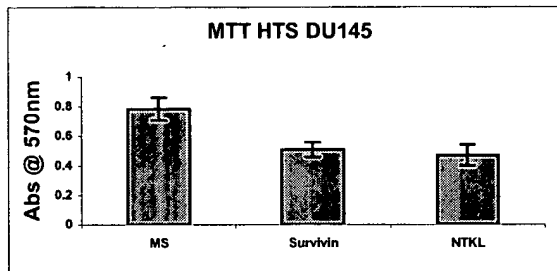


Figure 21 cont'd

(c) Apoptosis in the Prostate Cancer Cell Line DU145 as detected by MTT HTS Analysis.



(d) No Apoptosis was induced in the LNCAP Prostate Cancer Cell Line as detected by MTTHTS Analysis.

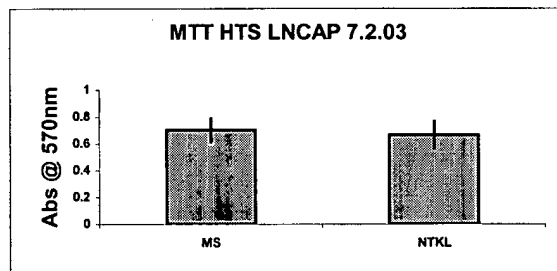
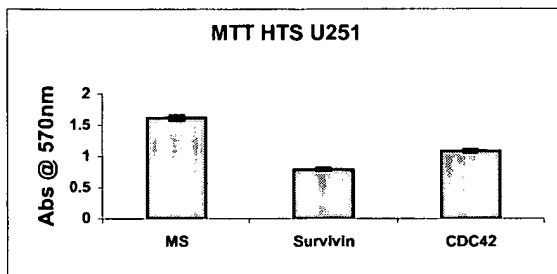
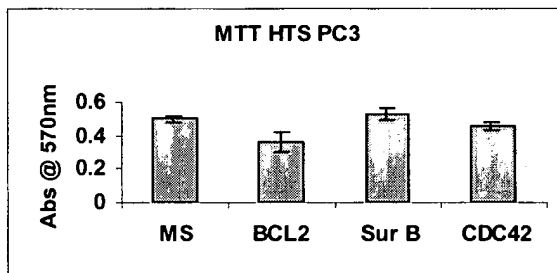


Figure 22 Apoptosis modulation by siRNA Knockdown of CDC42

(a) Apoptosis in the CNS Cancer Cell Line as detected by MTT HTS Analysis.



(b) Apoptosis was not induced in the following Prostate Cancer Cell Line as detected by MTT HTS Analysis.



(c) Apoptosis was not induced in the HeLa cell line by MTT HTS, FSC/SSC or Sub G1 Analysis.

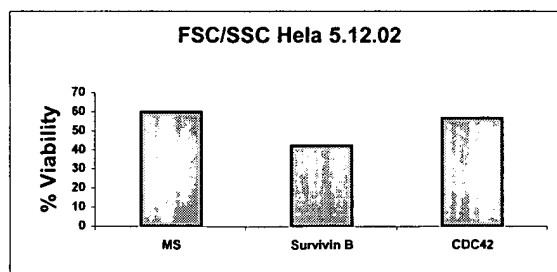
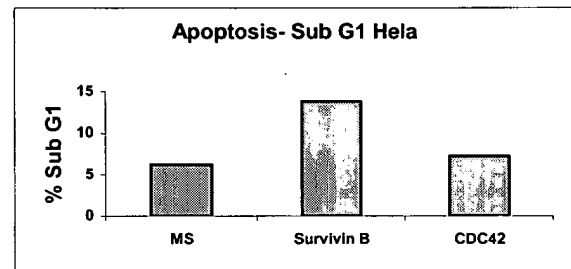
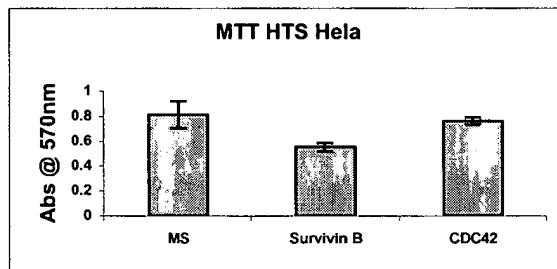
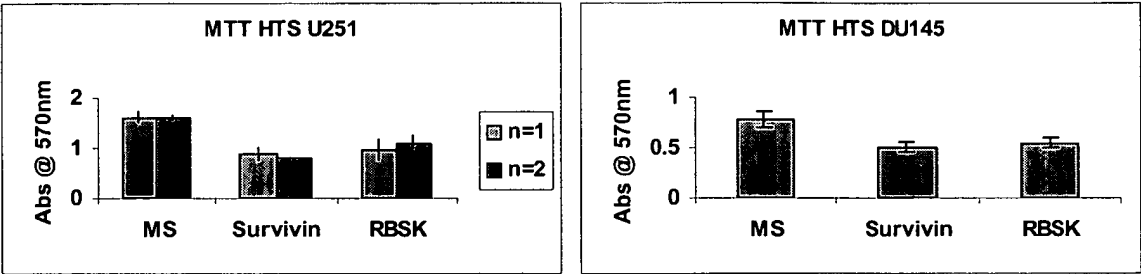


Figure 23 Apoptosis modulation by siRNA Knockdown of RBSK

(a) Apoptosis in Cancer Cell Lines as detected by MTT HTS Analysis.



(b) Apoptosis was not induced in the Hela Cancer Cell Line as detected by MTT HTS, FSC/SSC and Sub G1 Analysis.

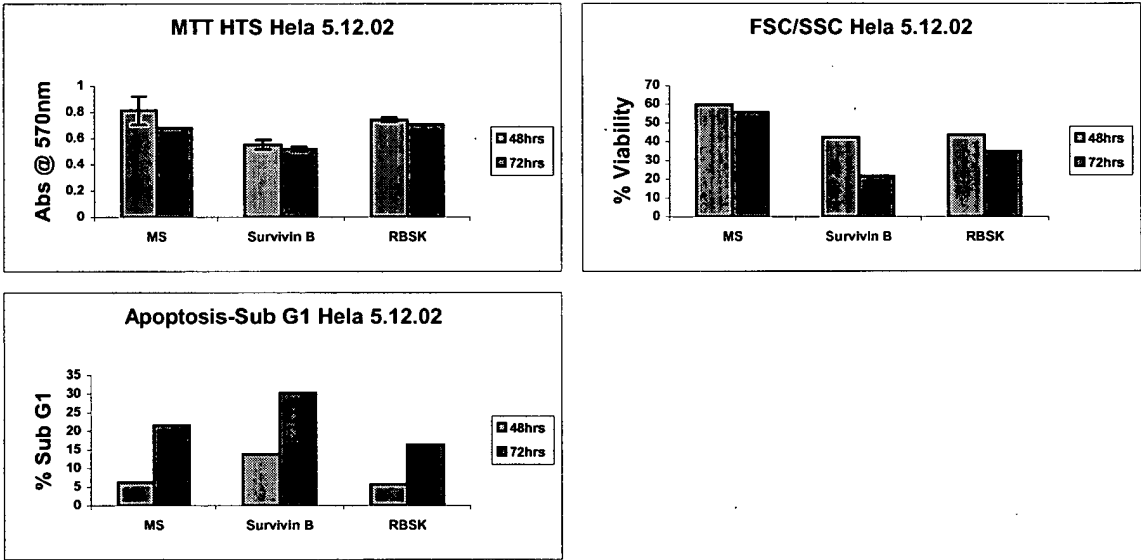
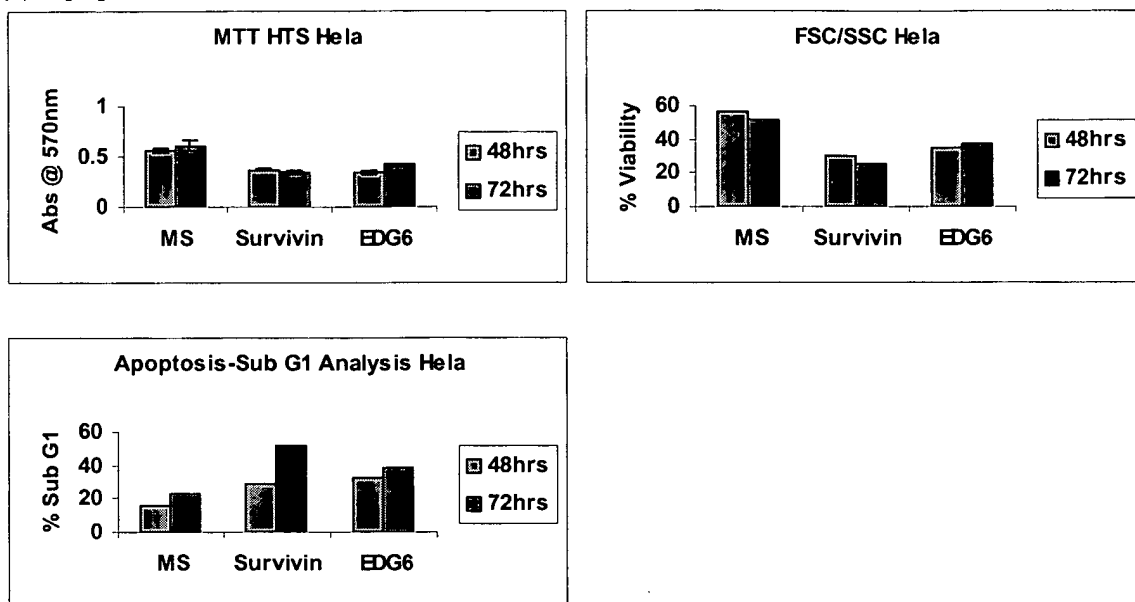


Figure 24 Apoptosis modulation by siRNA Knockdown of EDG6

(a) Apoptosis in the HeLa Cell Line as detected by MTT, FSC/SSC and Sub G1 Analysis.



(b) Apoptosis in other Cancer Cell Lines as detected by MTT HTS Analysis.

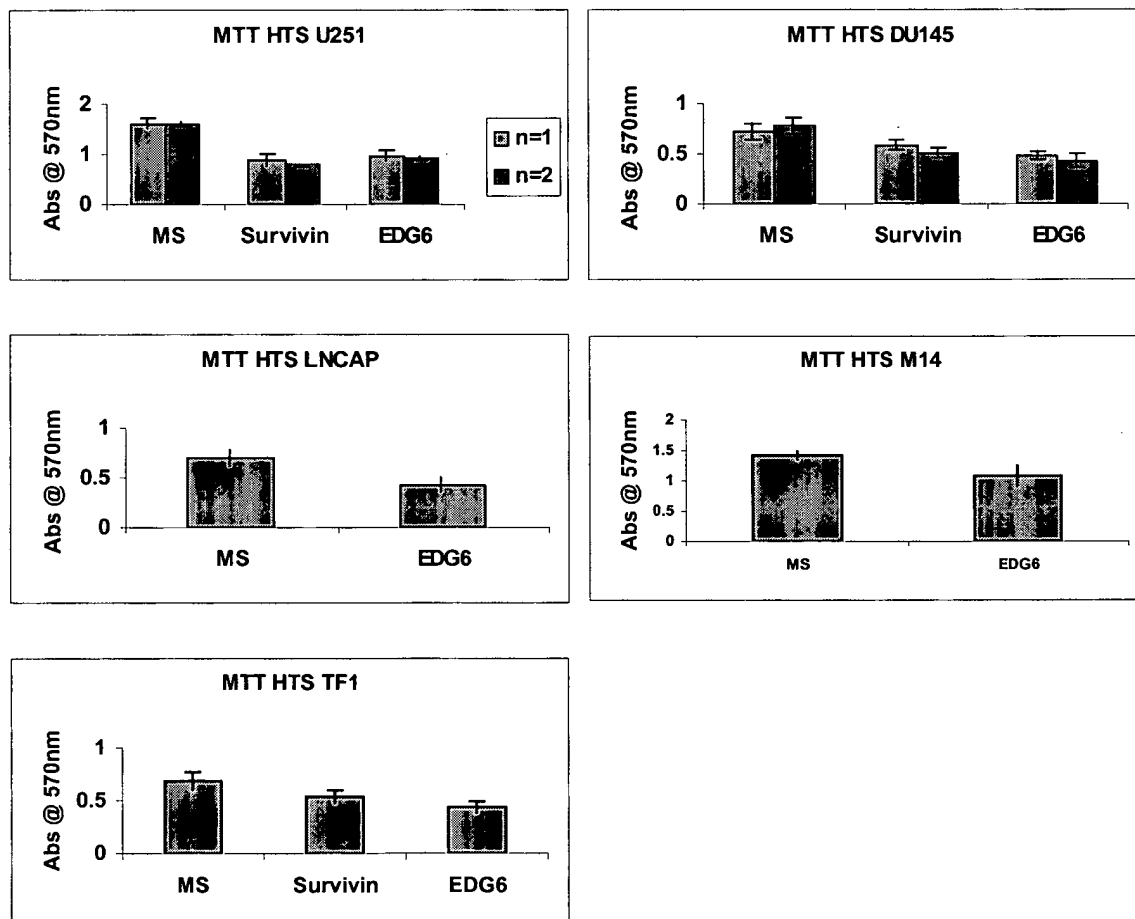
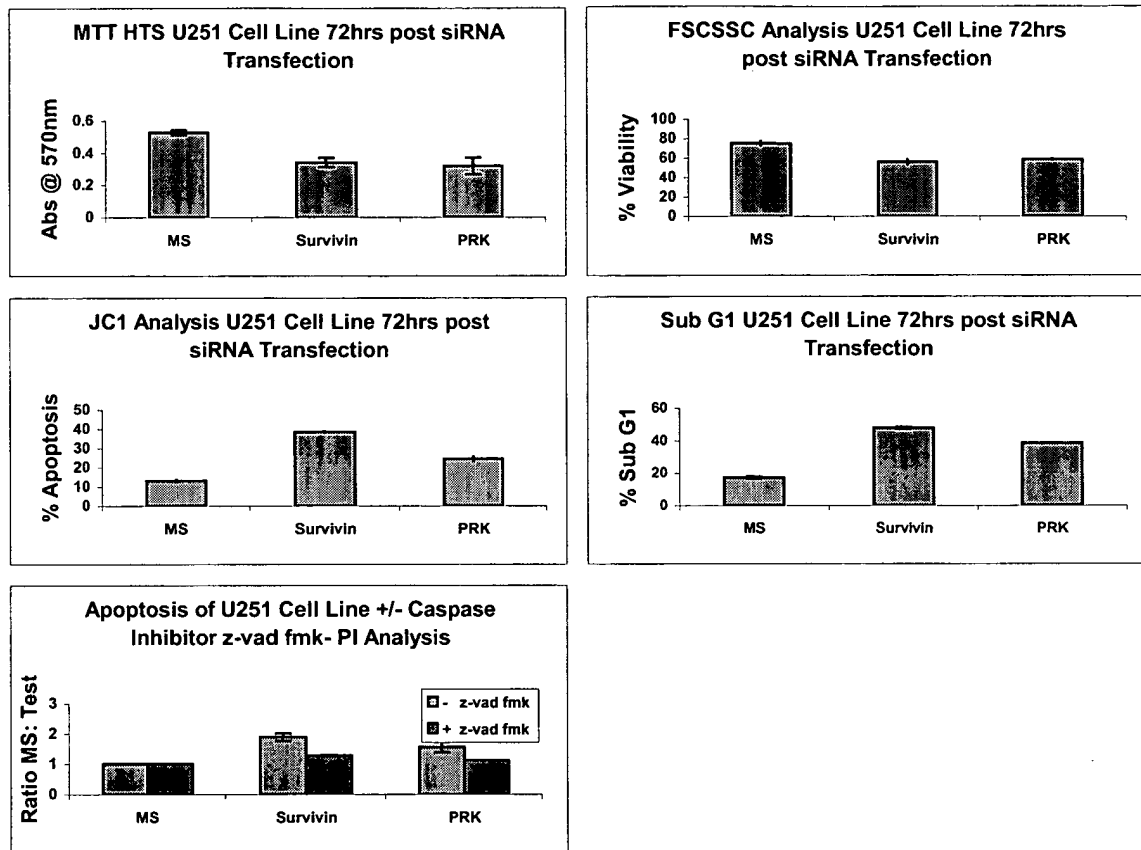


Figure 25 Apoptosis modulation by siRNA Knockdown of PRK

(a) Apoptosis in the U251 Cell Line as detected by MTT, FSC/SSC, Sub G1 Analysis, JC1 and Caspase Activation Assays.



(b) No Apoptosis is induced in the PC3 Cell Line as detected by MTT HTS and Sub G1 Analysis.

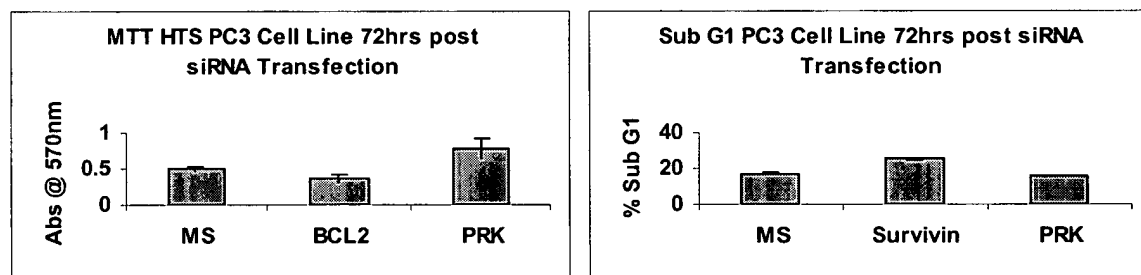
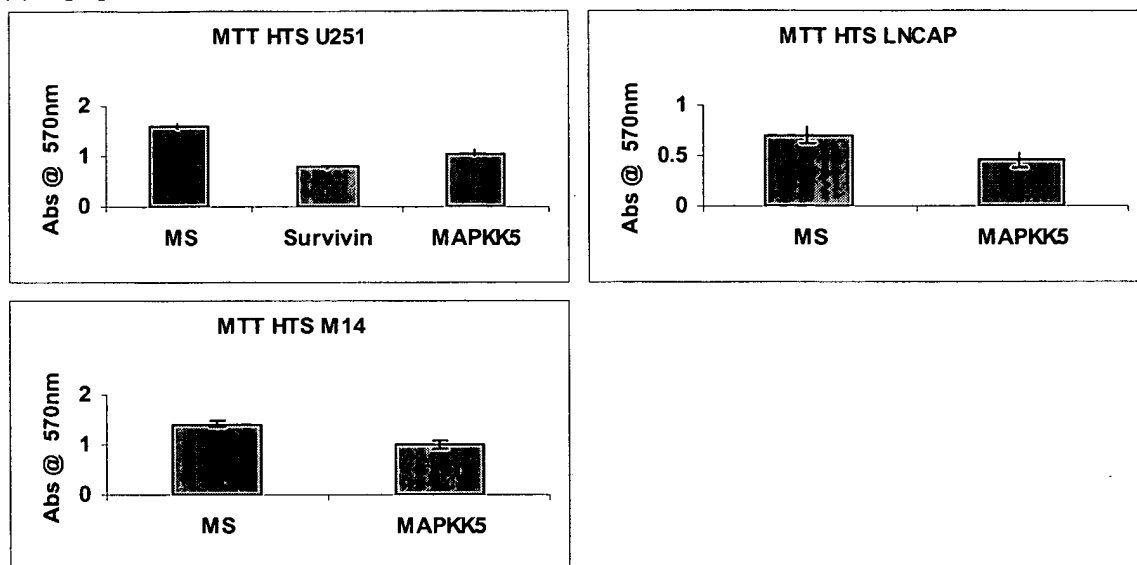
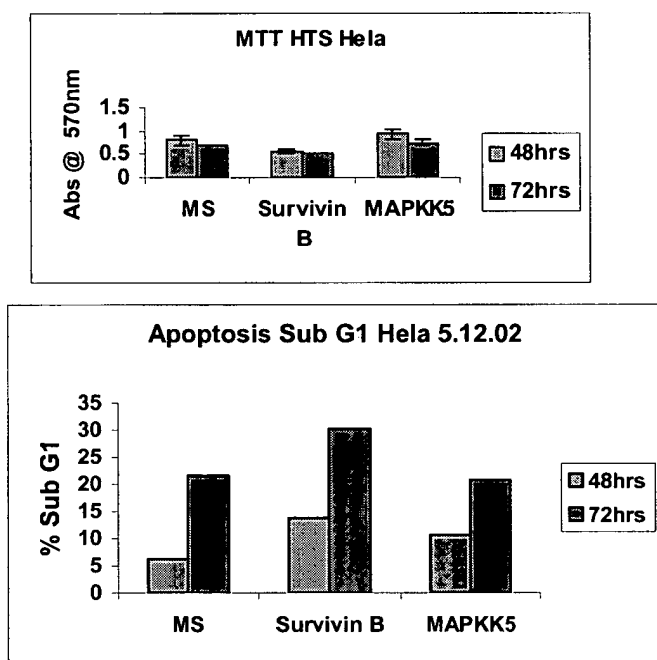


Figure 26 Apoptosis modulation by siRNA Knockdown of MAPKK5

(a) Apoptosis in the Cancer Cell Lines as detected by MTT HTS Analysis.



(b) Apoptosis is not induced in the Hela Cancer Cell Line as detected by MTT HTS or Sub G1 Analysis.



(c) Apoptosis in the DU145 Cell Line as detected by FSC/SSC Analysis.

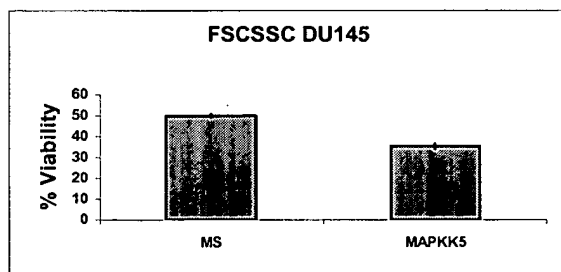
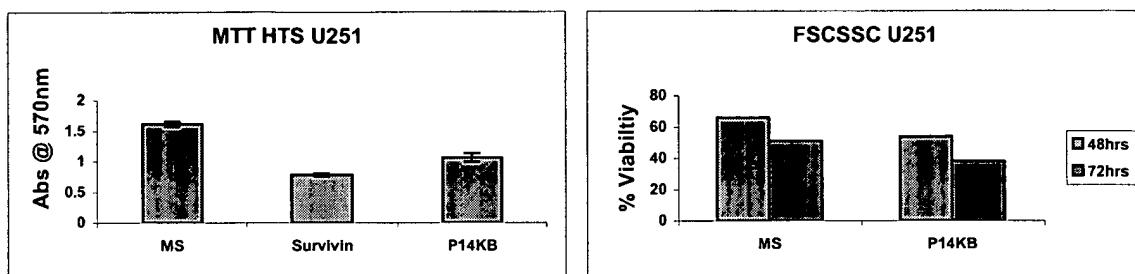


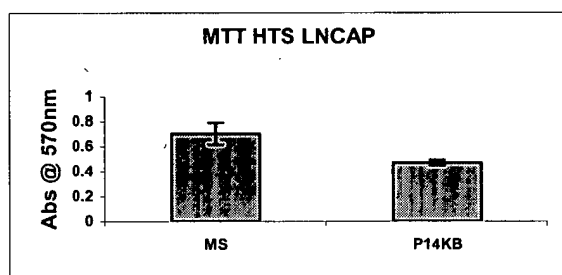


Figure 27 Apoptosis modulation by siRNA Knockdown of P14KB

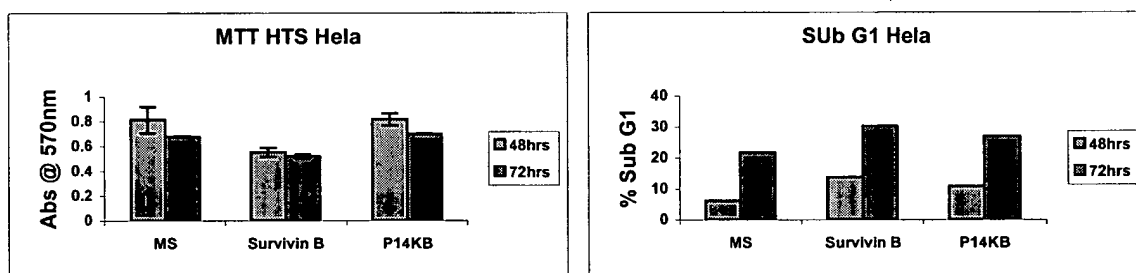
(a) Apoptosis in the U251 Cancer Cell Line as detected by MTT HTS and FSC/SSC Analysis.



(b) Apoptosis in the Prostate Cancer Cell Lines, DU145, as detected by MTT HTS Analysis.



(c) Apoptosis is not induced in the Hela Cancer Cell Line as detected by MTT HTS and Sub G1 Analysis.



(d) Apoptosis is not induced in the PC3 Cancer Cell Line as detected by FSC/SSC Analysis.

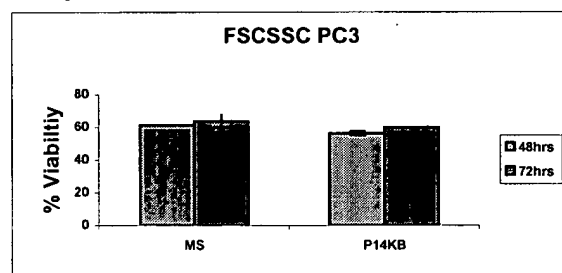


Figure 27 cont'd

(e) Apoptosis is not induced in the OVCAR3 Cancer Cell Line as detected by Sub G1 Analysis.

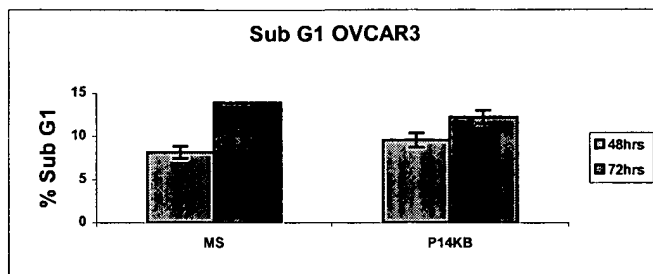
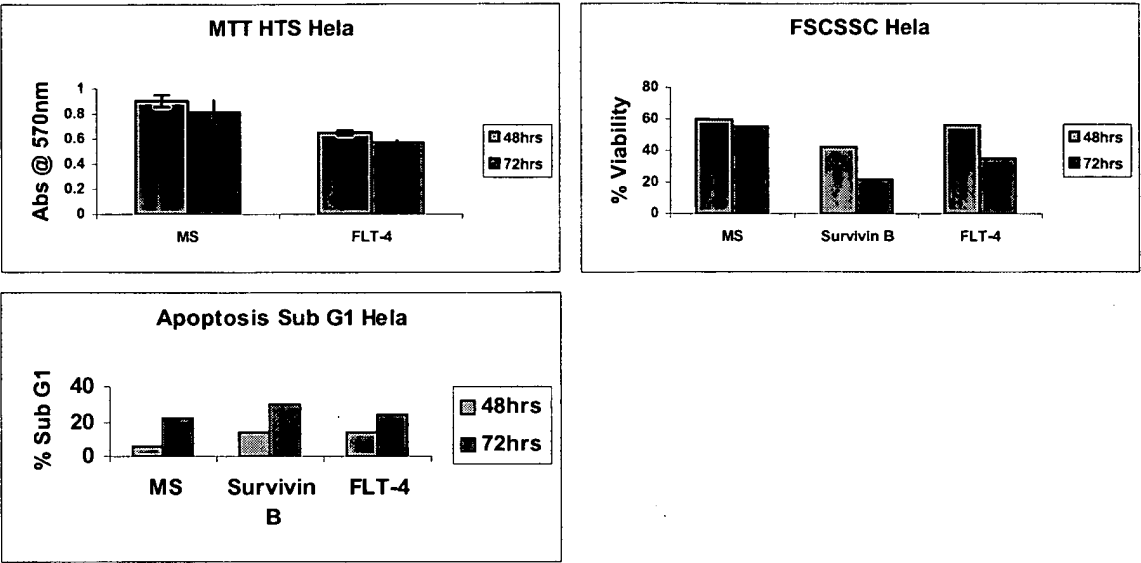


Figure 28 Apoptosis modulation by siRNA Knockdown of FLT4

(a) Apoptosis in the Hela Cell Line as detected by MTT, FSC/SSC and Sub G1 Analysis.



(b) Apoptosis in Cancer Cell Lines as detected by MTT HTS Analysis.

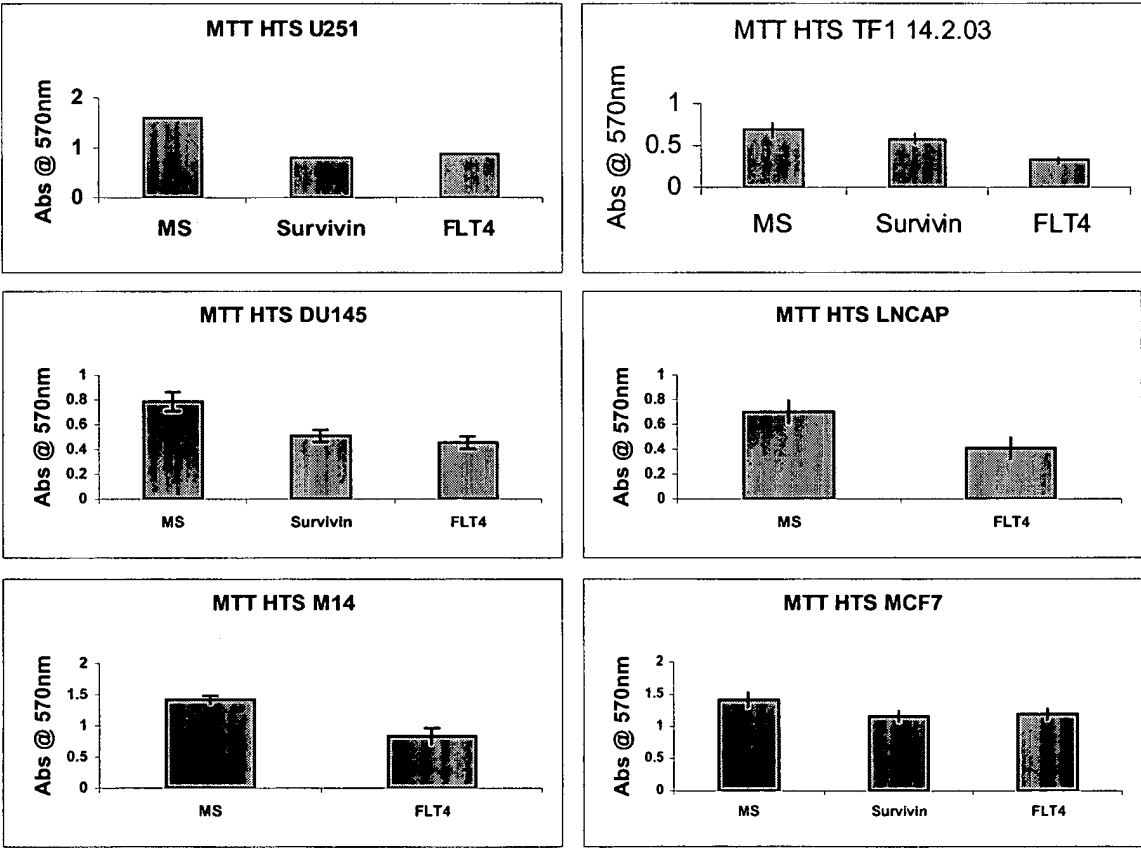
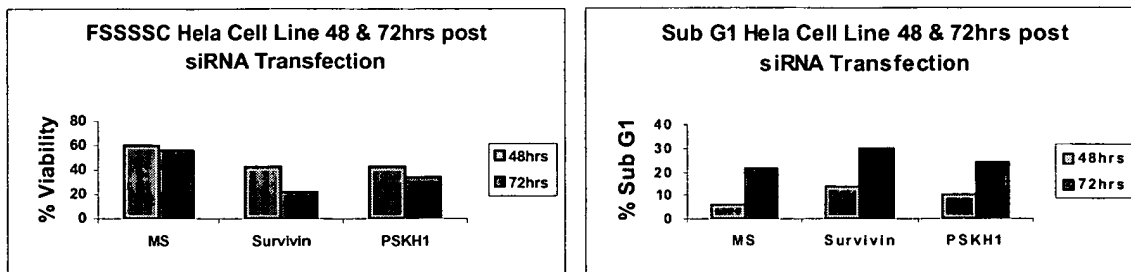


Figure 29 Apoptosis modulation by siRNA Knockdown of PSKH1

(a) Apoptosis in the Hela Cancer Cell Line as detected by FSC/SSC and Sub G1 Analysis



(b) Apoptosis in other Cell Lines as detected by MTT HTS Analysis.

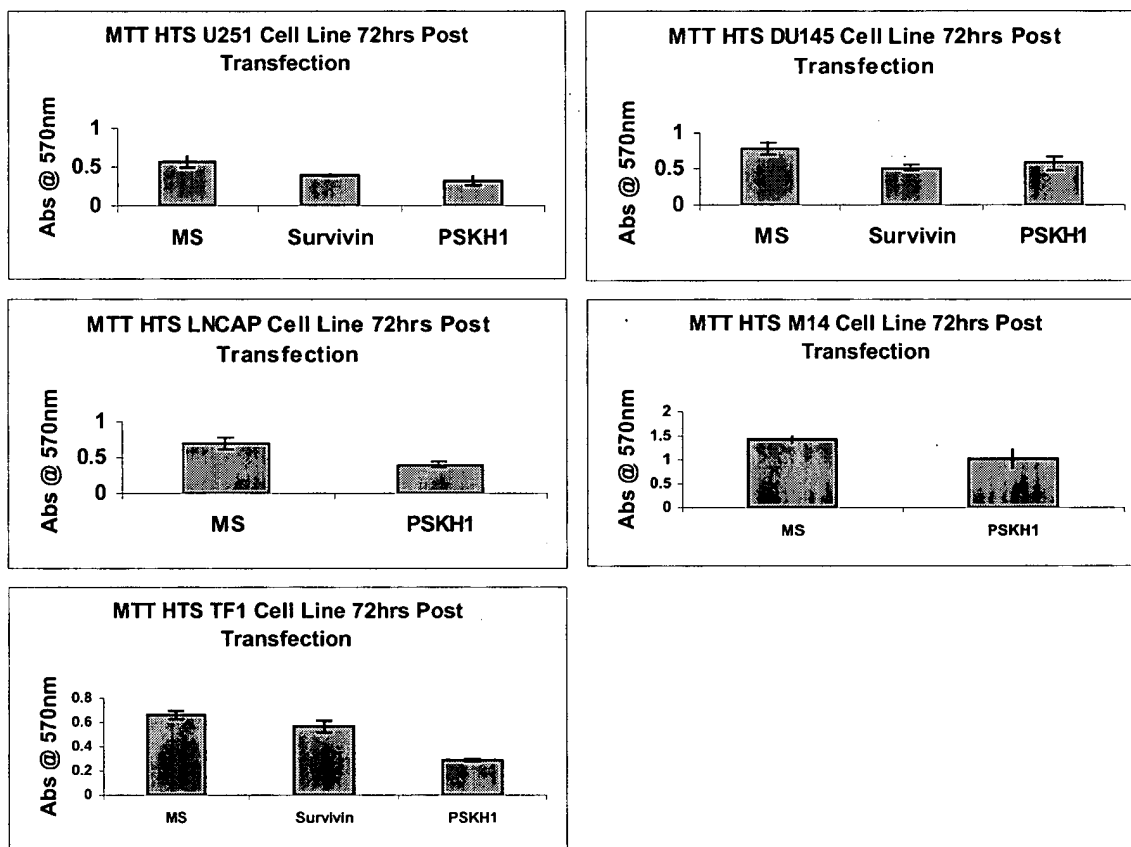


Figure 30 Apoptosis modulation by siRNA Knockdown of ITPKC

(a) Apoptosis in the Hela Cell Line as detected by MTT, FSC/SSC and Sub G1 Analysis.

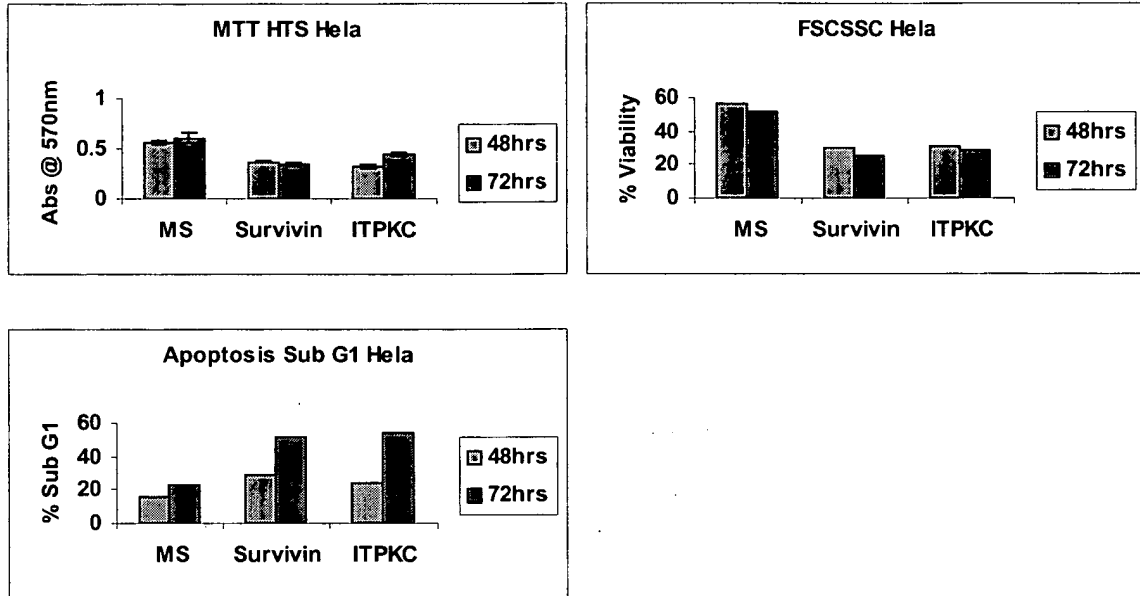
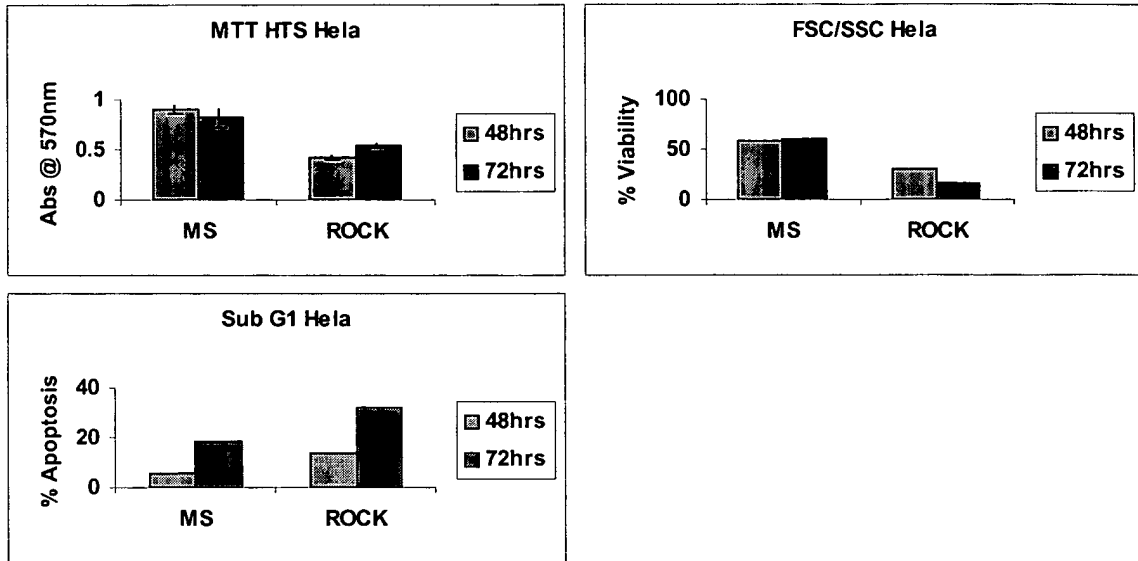
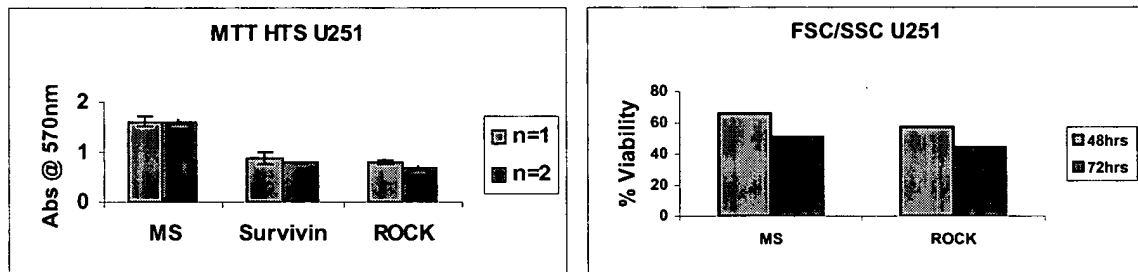


Figure 31 Apoptosis induced by siRNA Knockdown of ROCK

(a) Apoptosis in the Hela Cell Line as detected by MTT, FSC/SSC and Sub G1 Analysis.



(b) Apoptosis in the U251 Cell Line as detected by MTT and FSC/SSC Analysis.



(c) Apoptosis in the Cancer Cell Line as detected by MTT HTS Analysis.

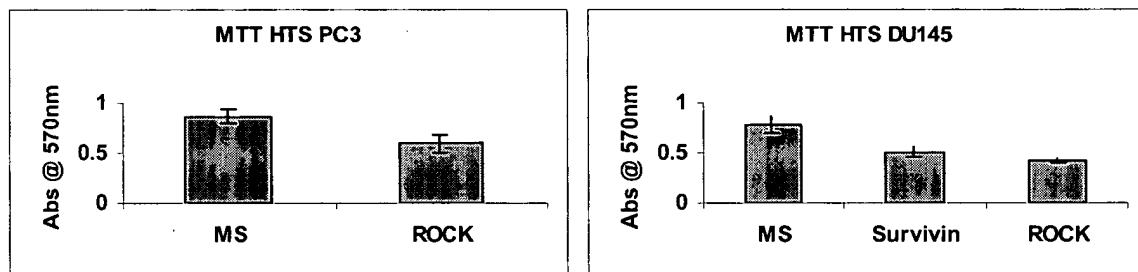
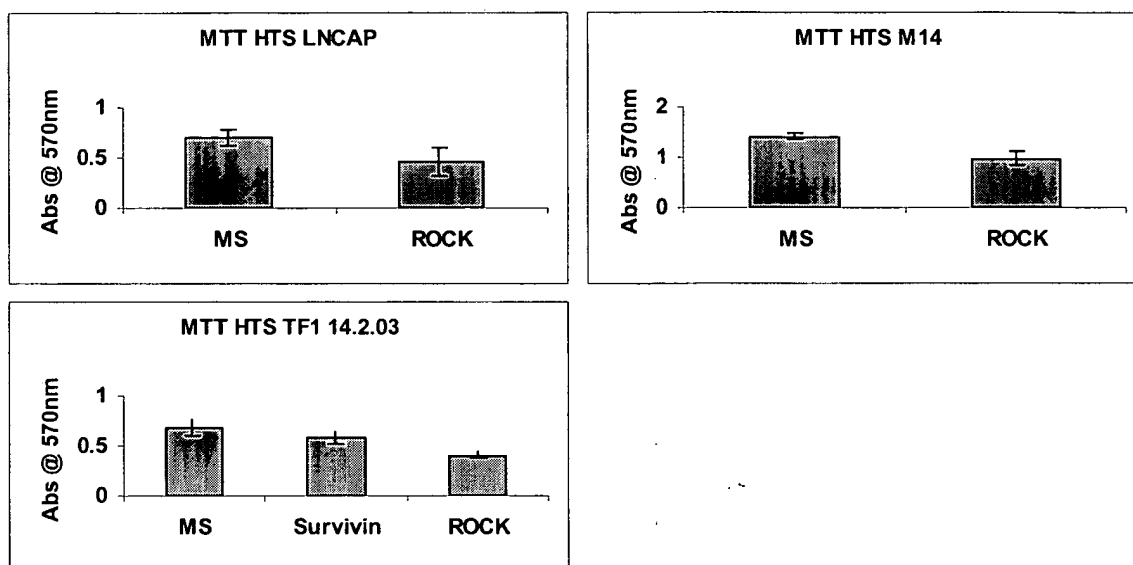
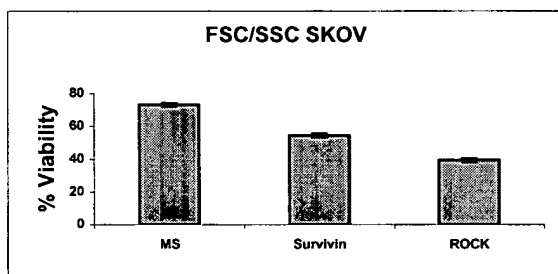


Figure 31 cont'd



(d) Apoptosis in the SKOV Cancer Cell Lines as detected by FSC/SSC Analysis



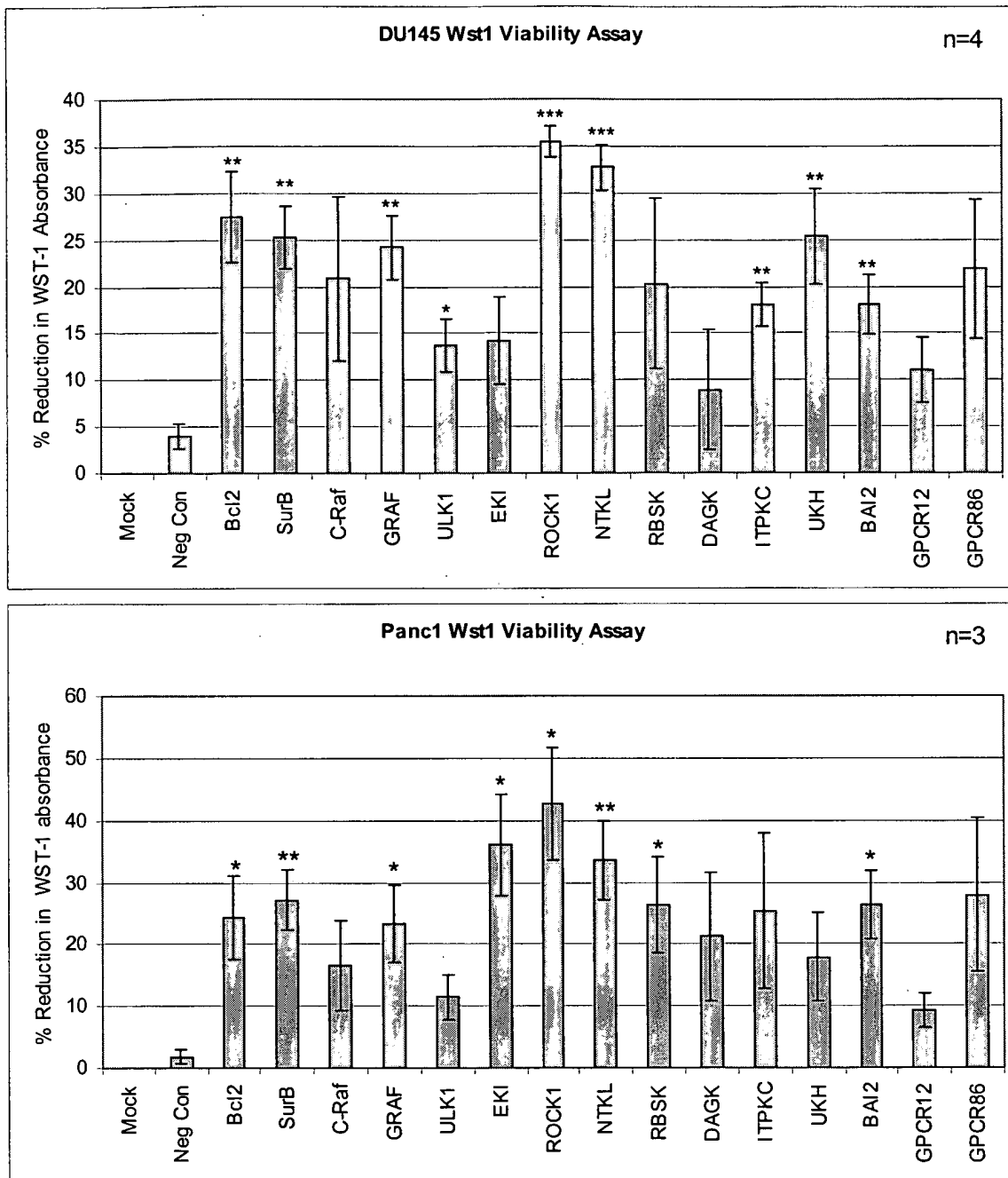


FIGURE 32



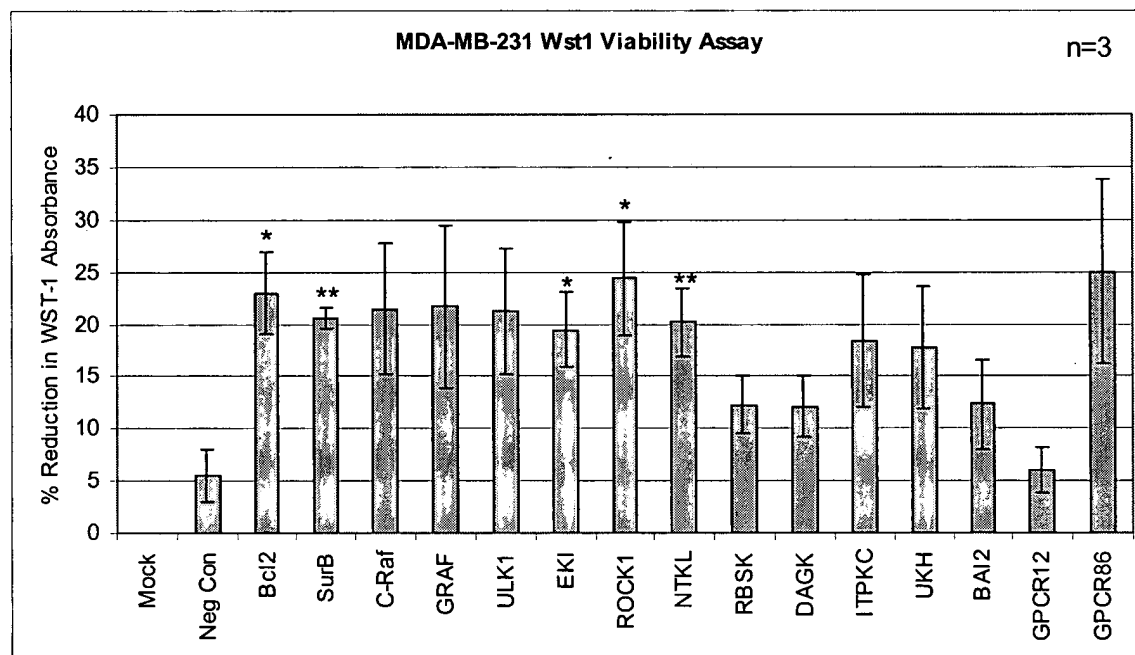
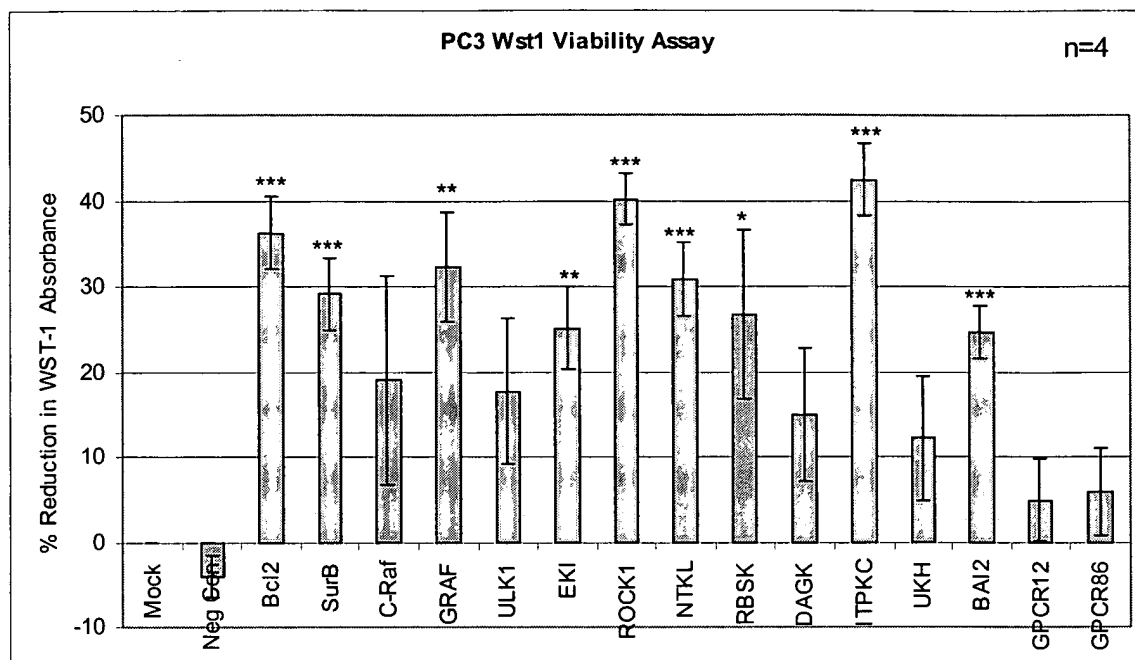


FIGURE 32 cont.

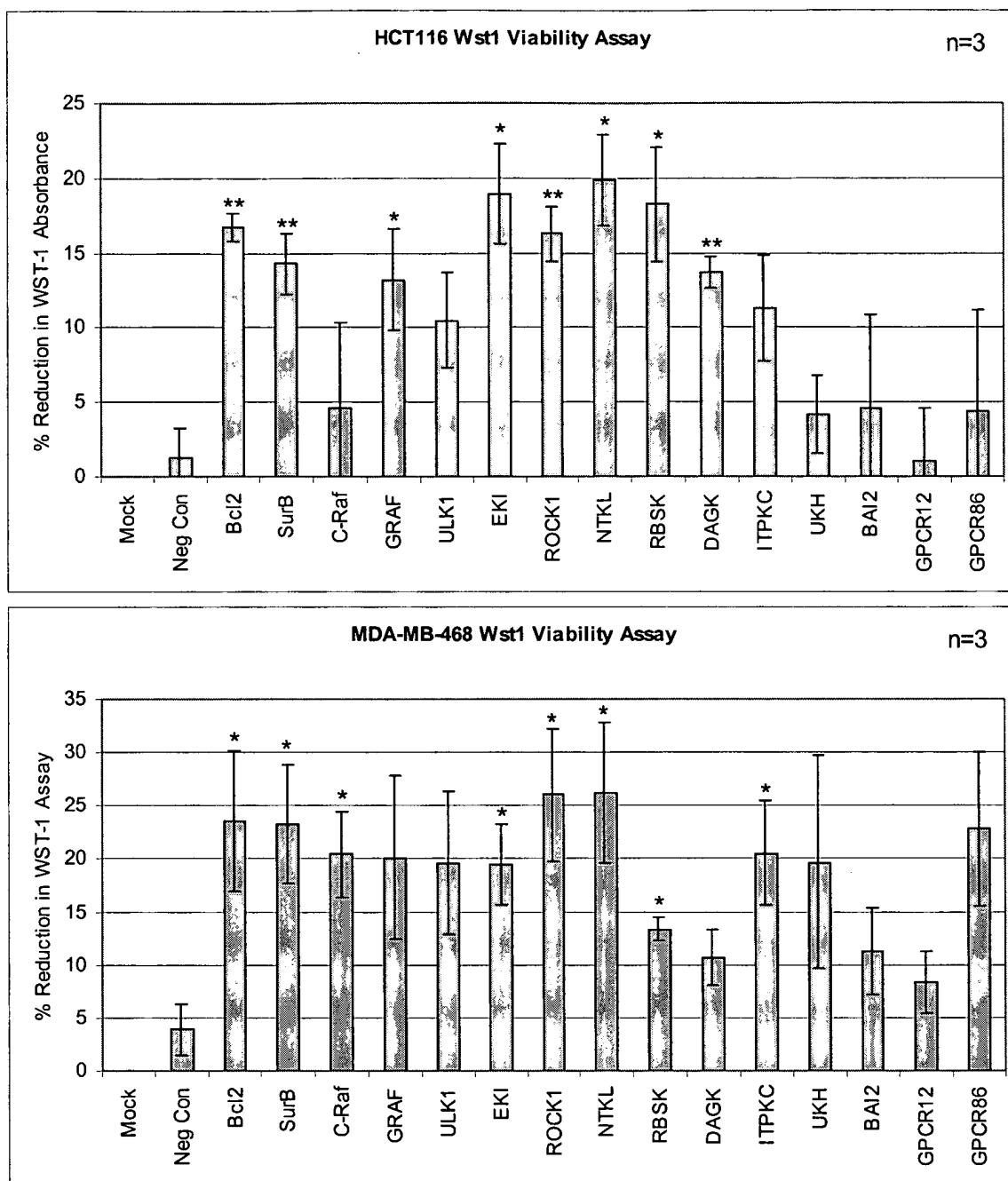


FIGURE 32 CONT

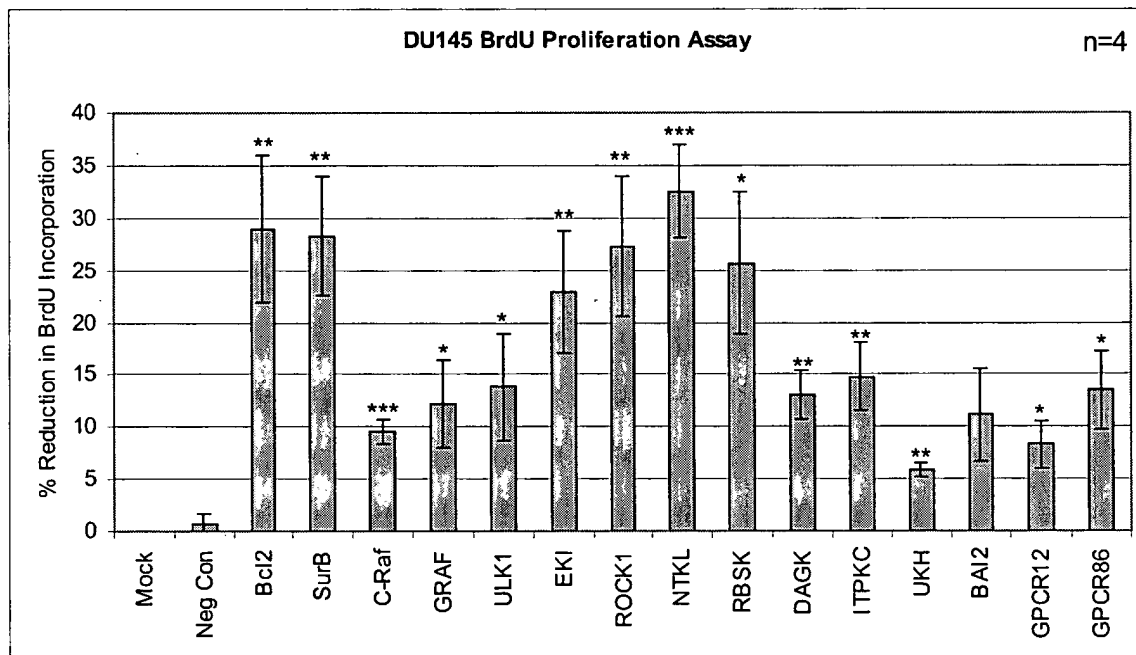
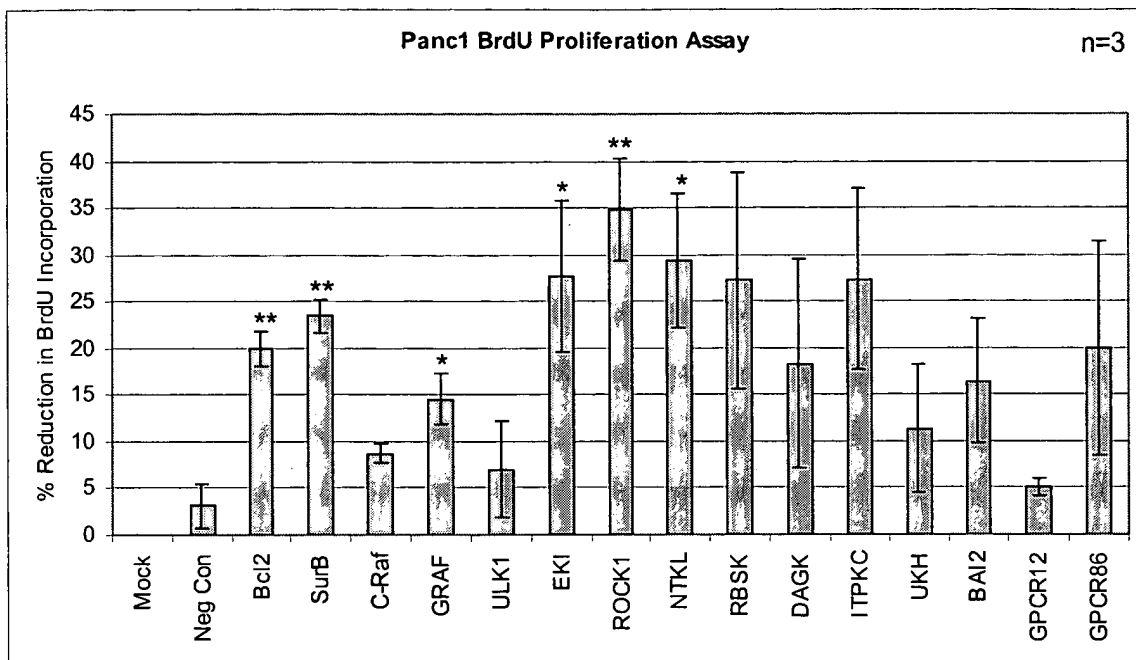


FIGURE 33

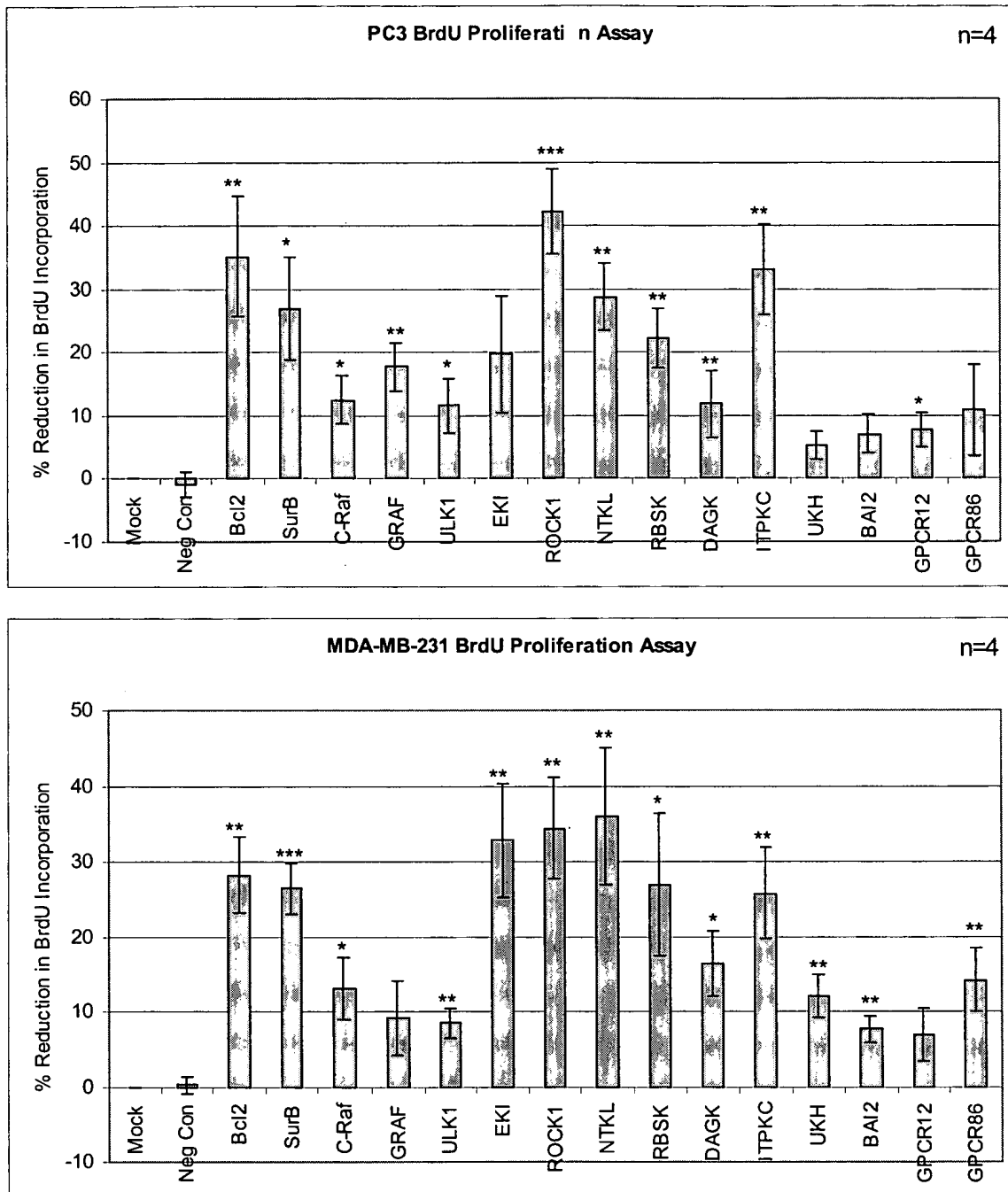


FIGURE 33 CONT

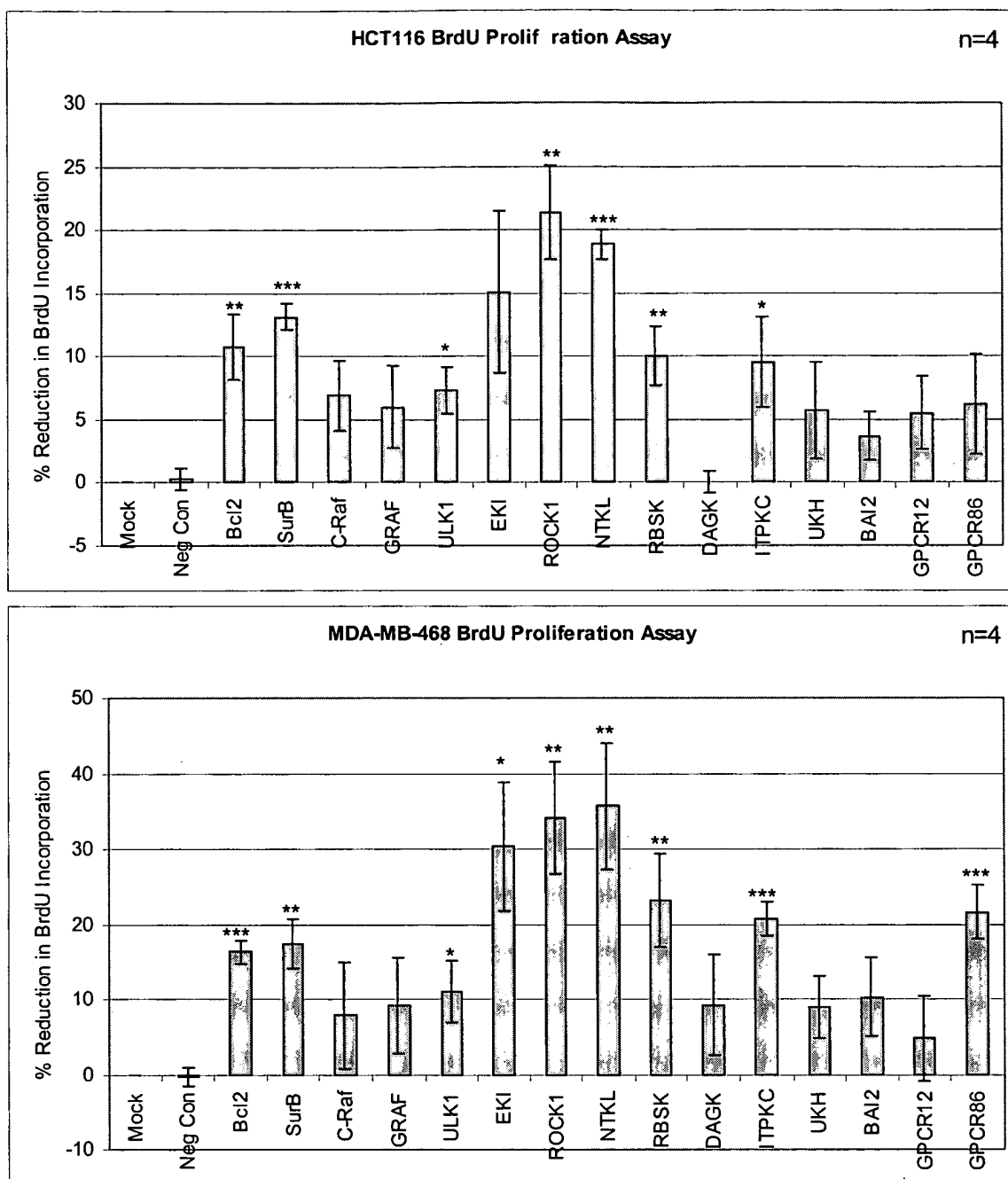
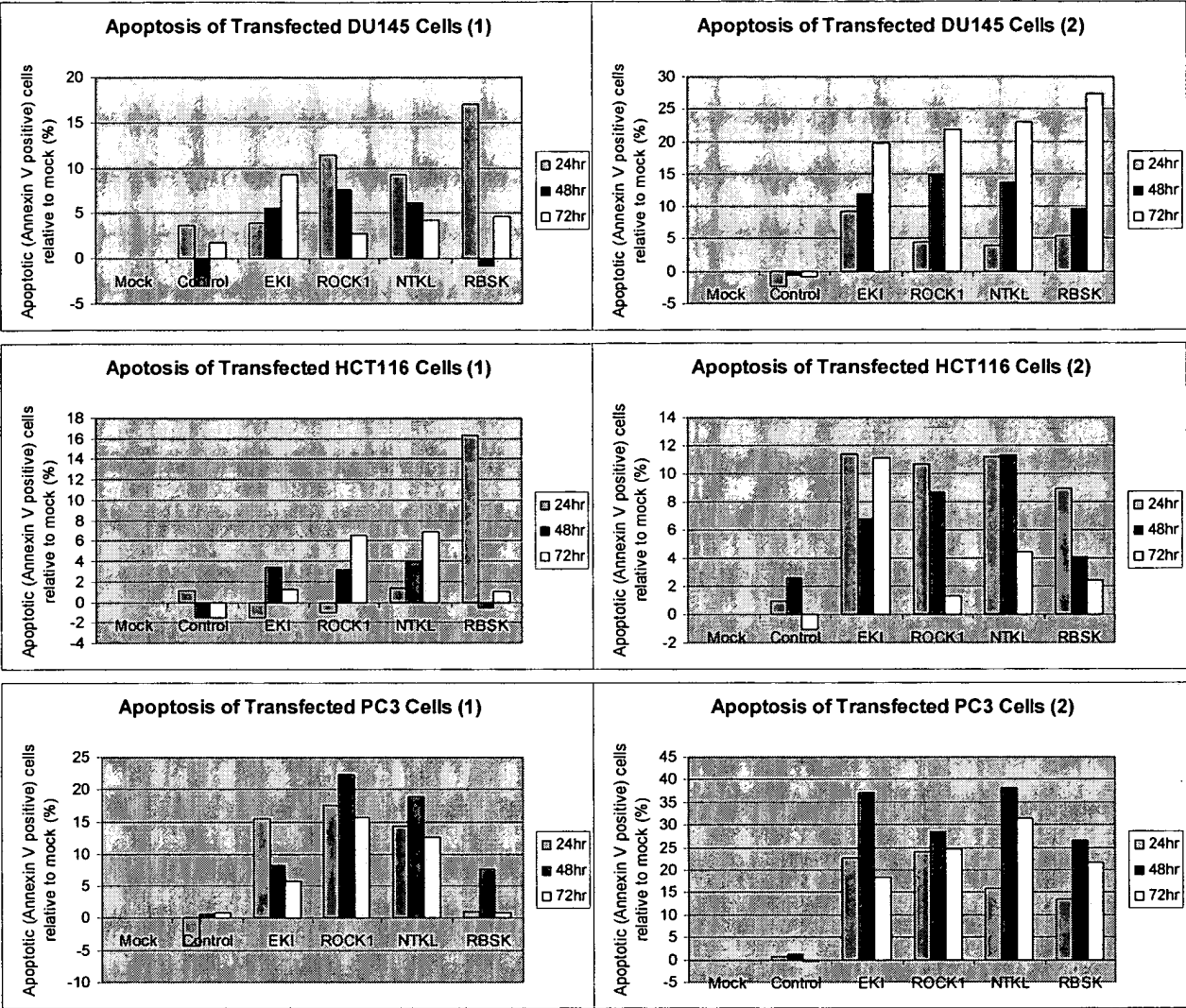


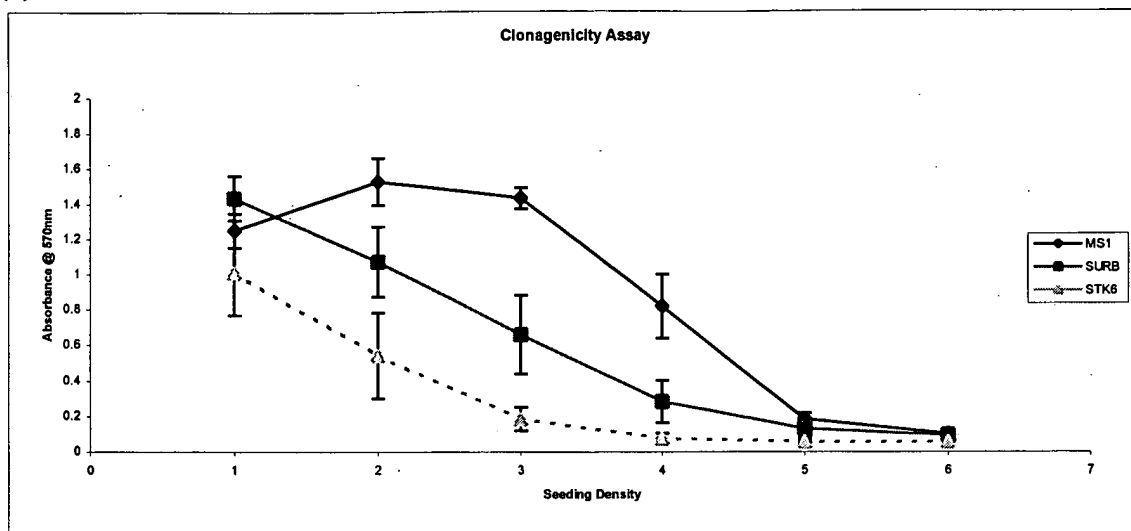
FIGURE 33 CONT

FIGURE 34



**FIGURE 35**

**(a)**



**(b)**

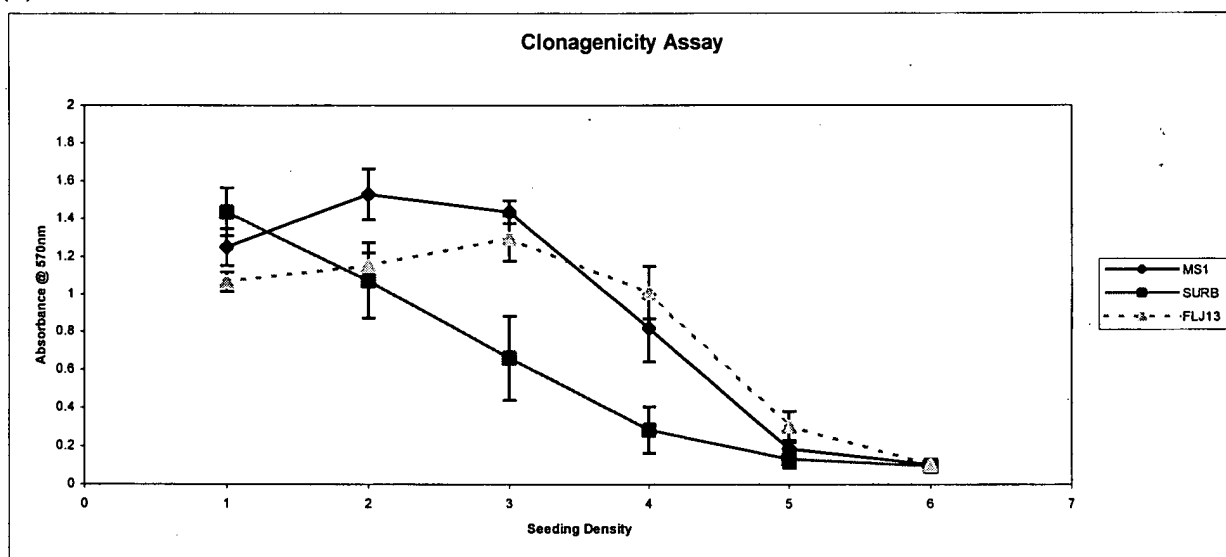


FIGURE 36

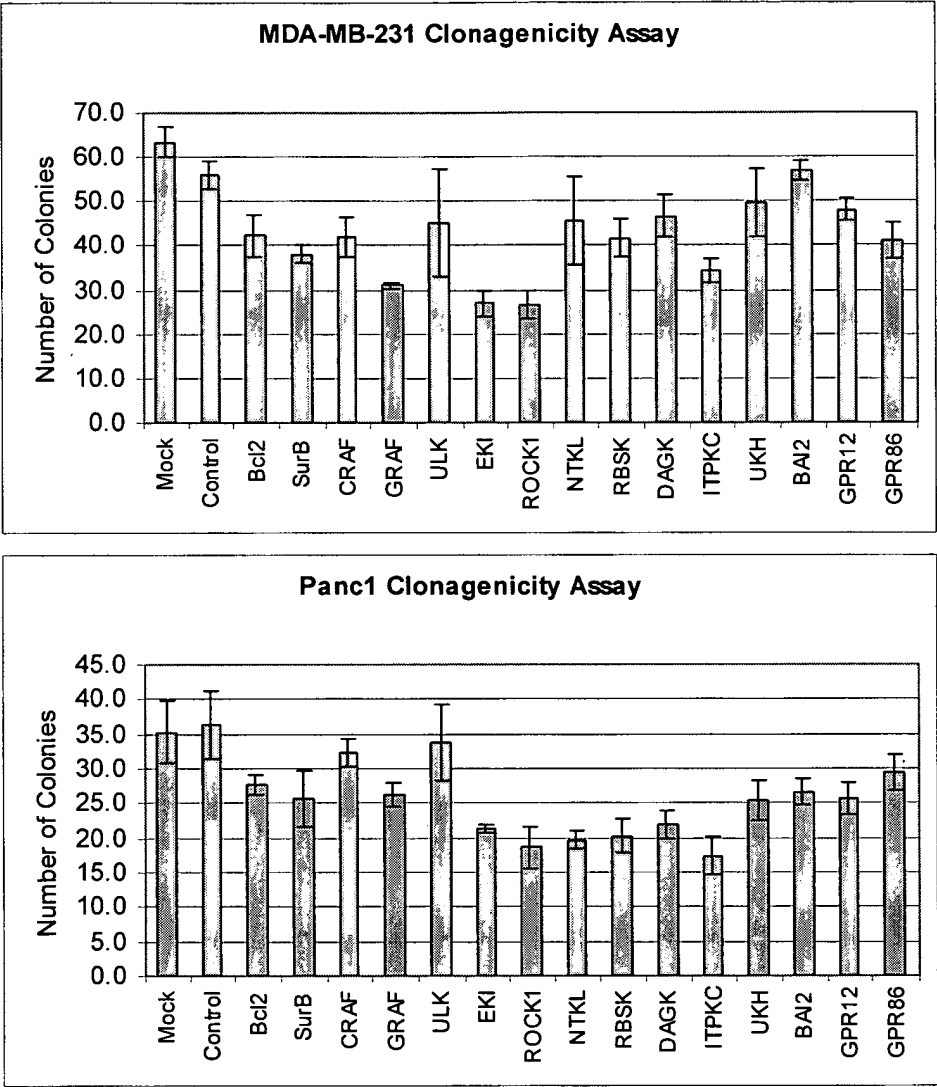




FIGURE 36 CONT.

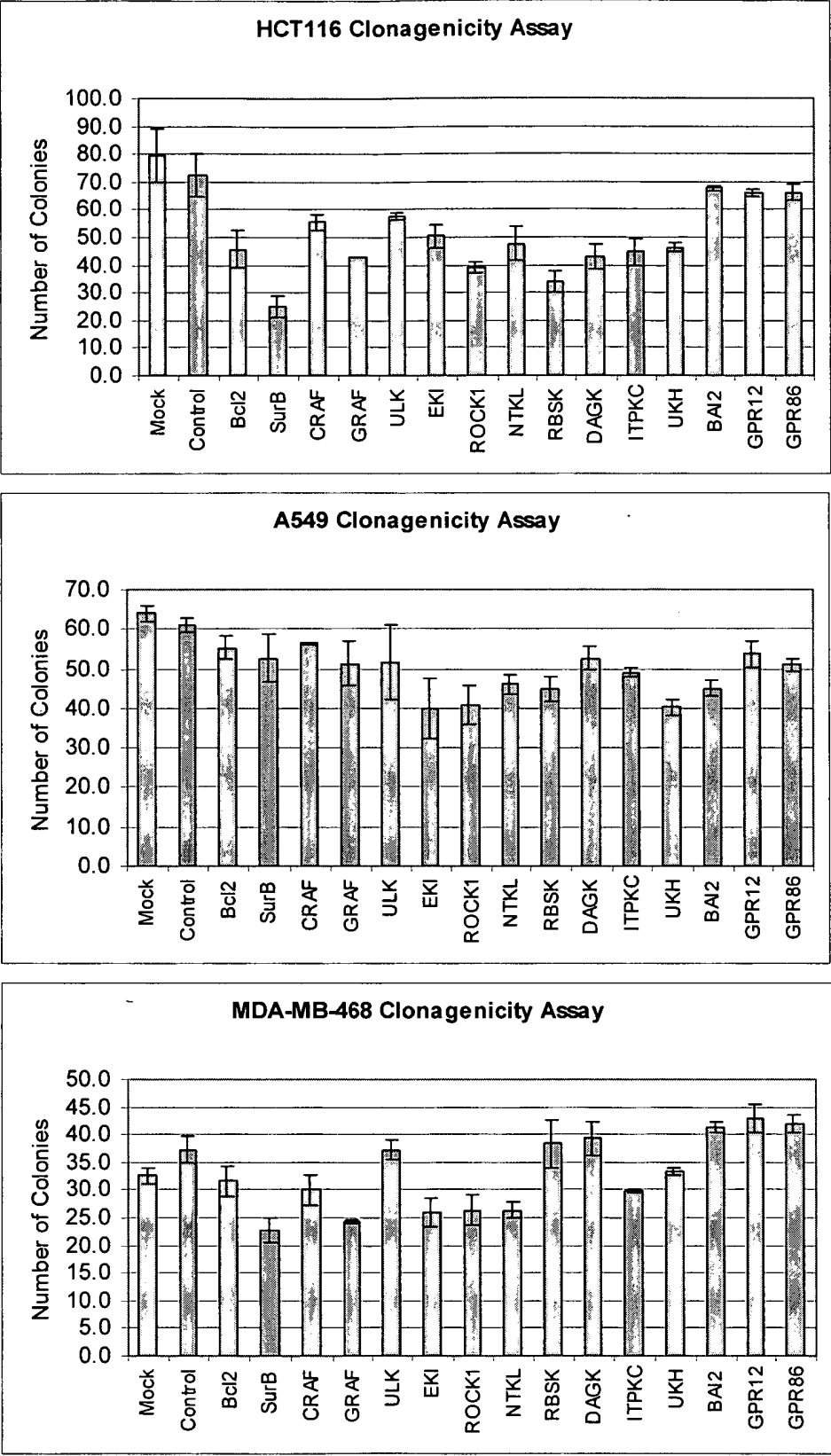
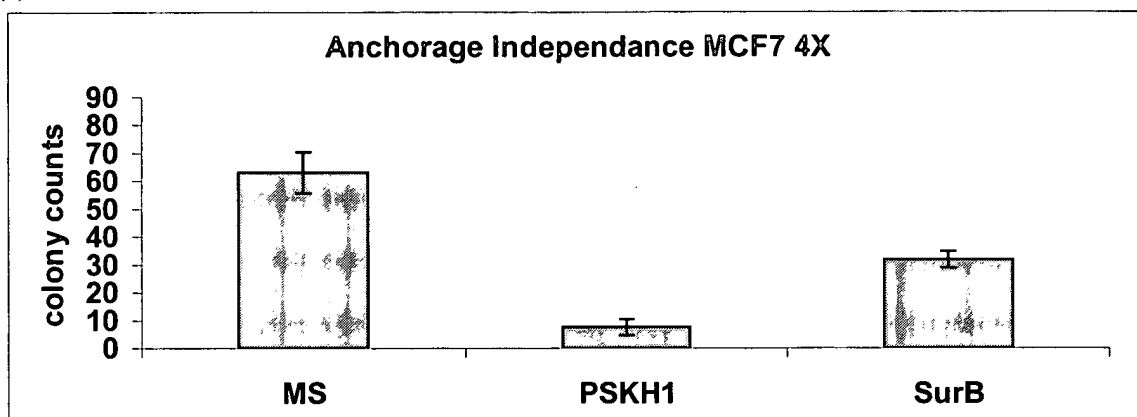
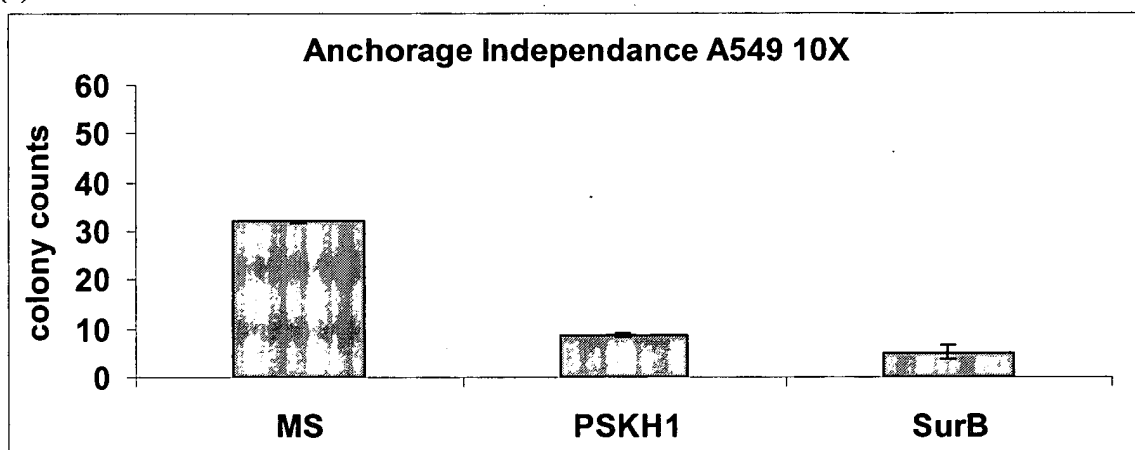


FIGURE 37  
(a) MCF7



(b) A549



(c) HCT15 Cell Line

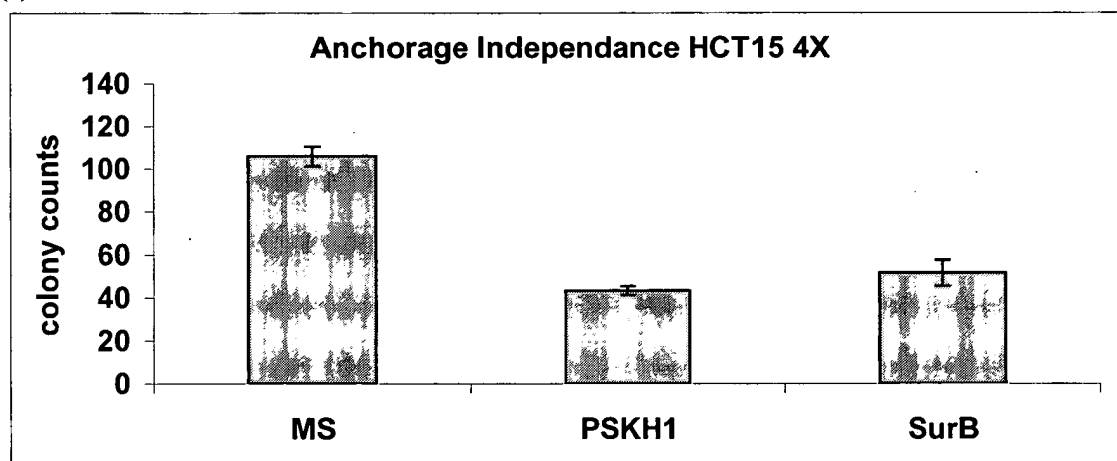
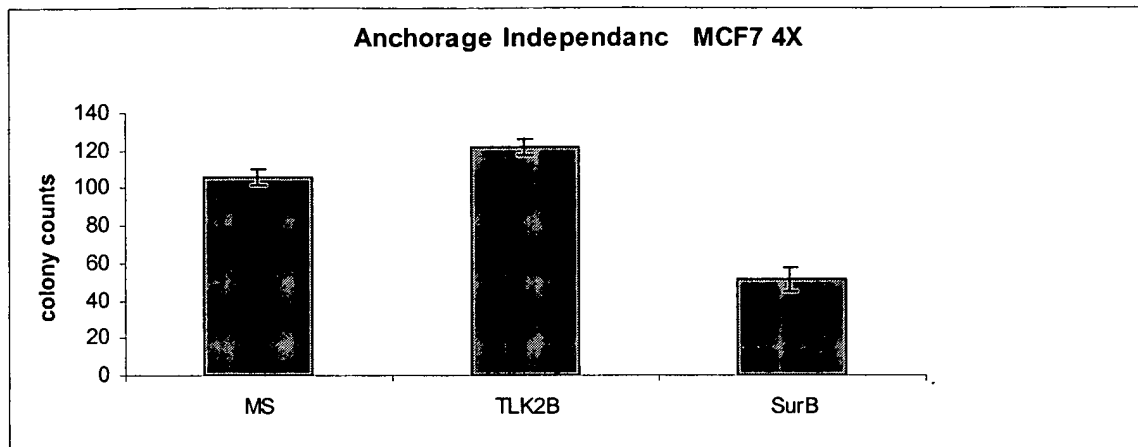
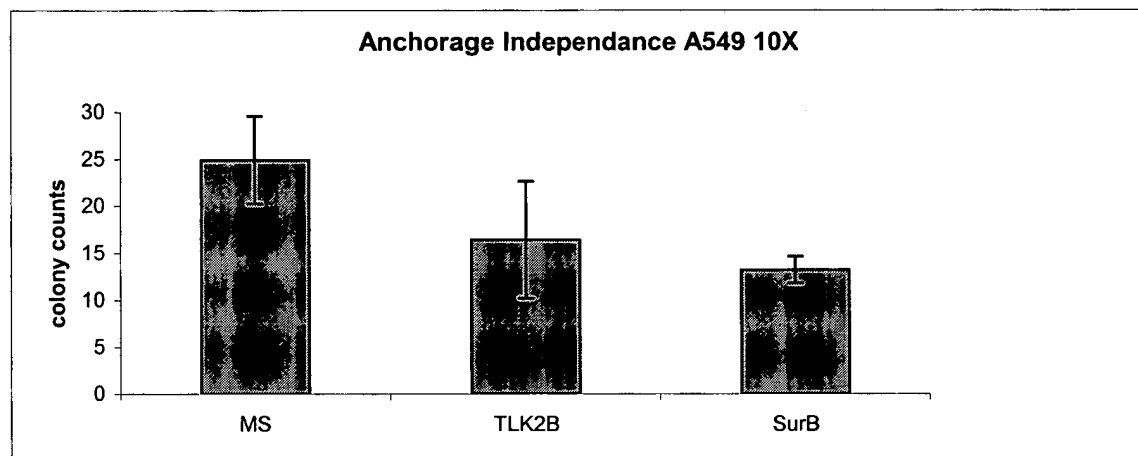


FIGURE 38

(a) MCF7



(b) A549



(c) HCT15

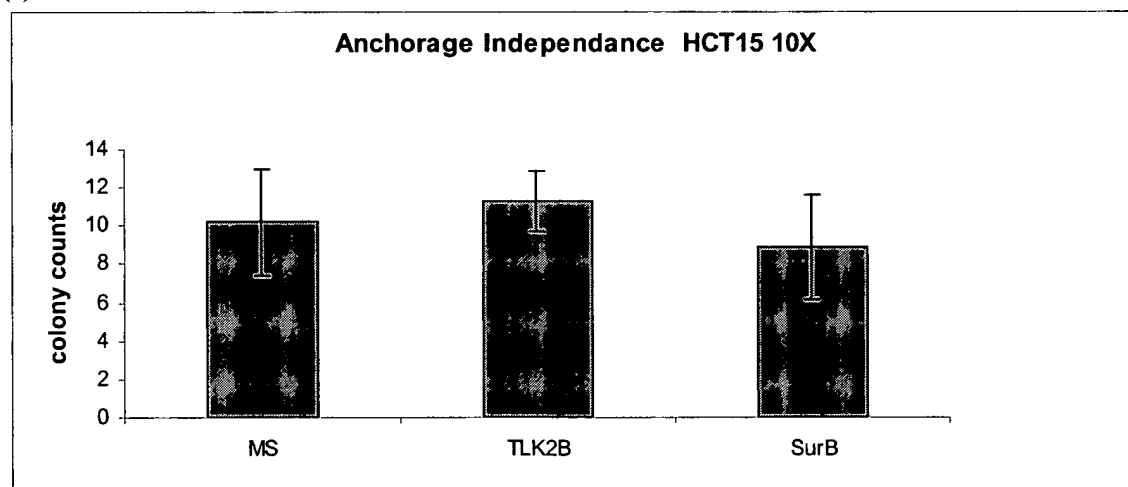
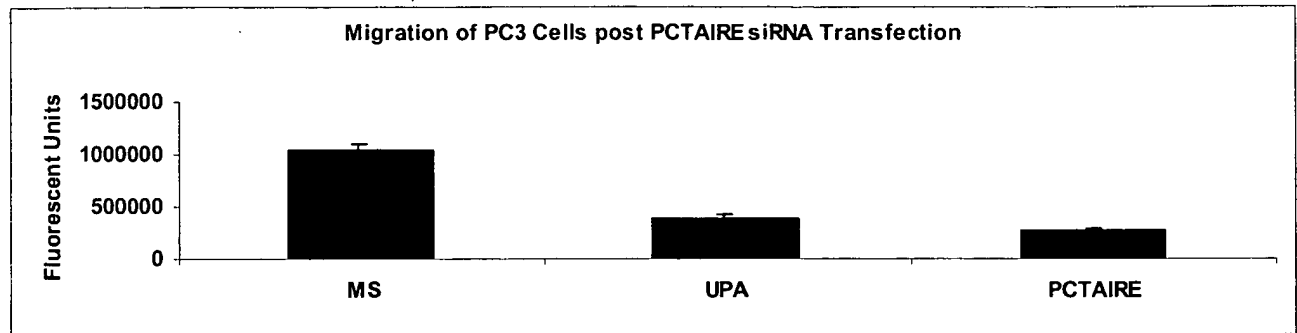
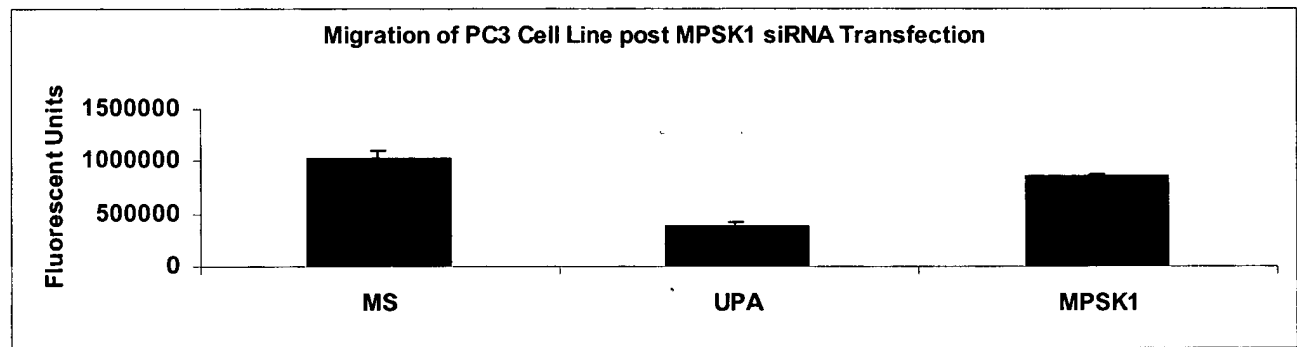


FIGURE 39

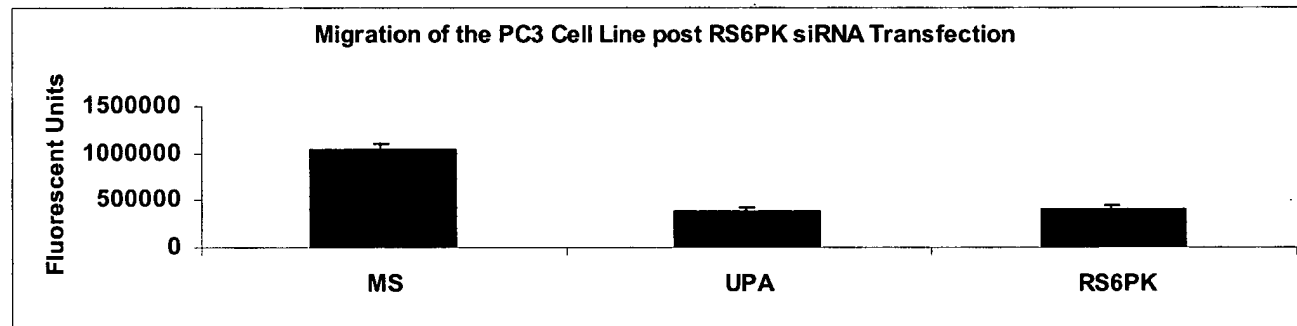
(a)



(b)



(c)



(d)

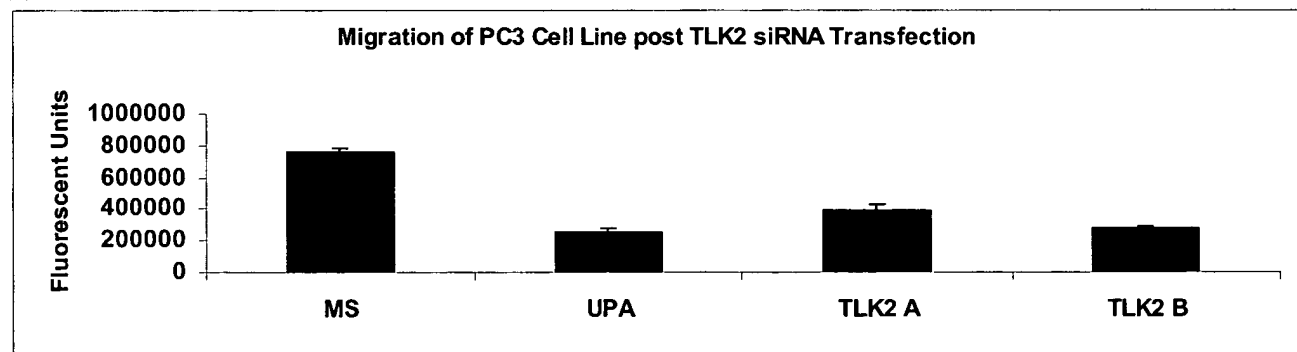
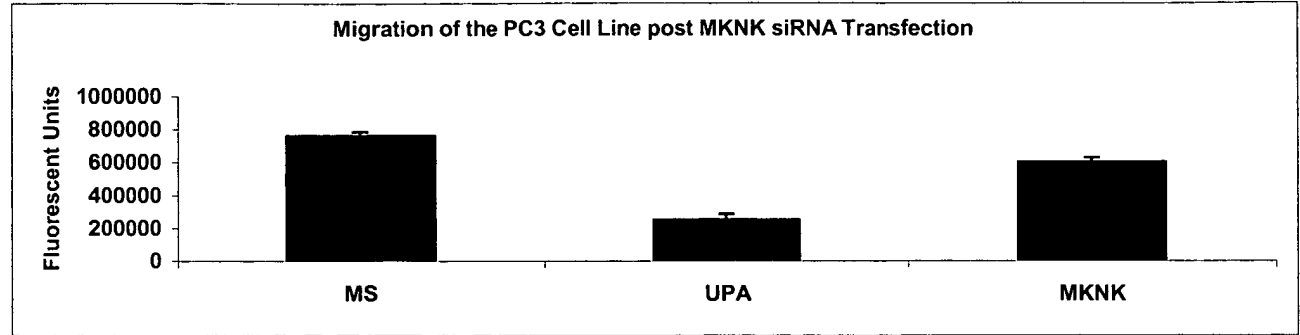
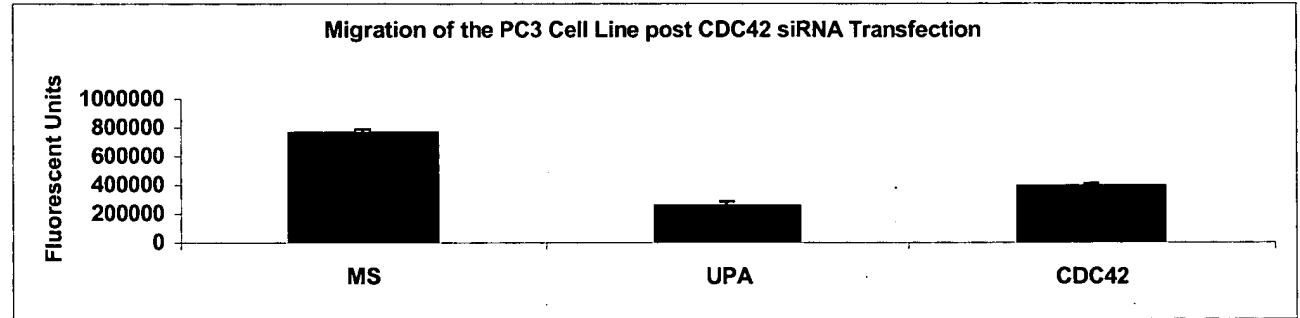


FIGURE 39 contd

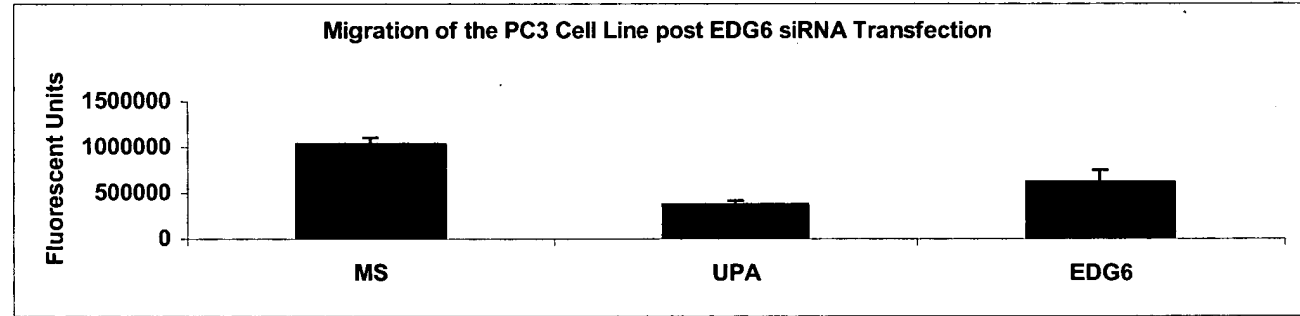
(e)



(f)



(g)



(h)

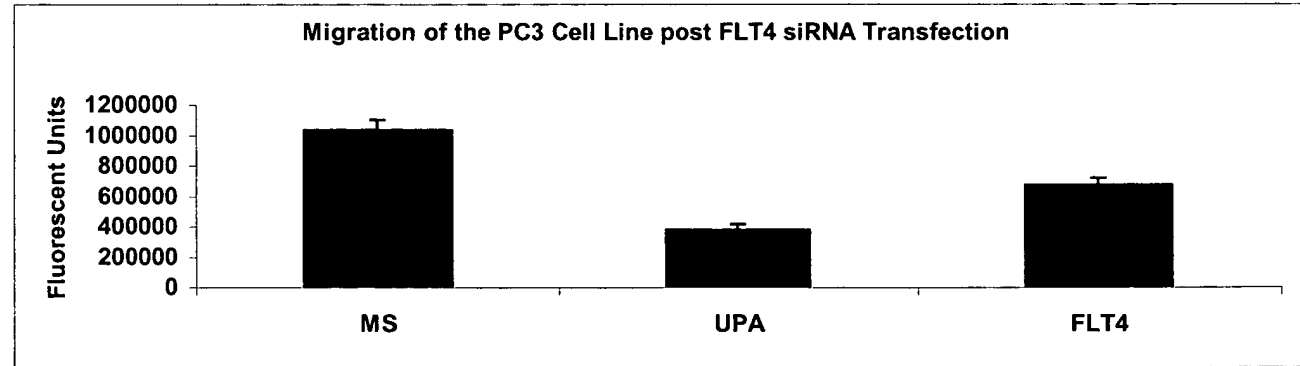
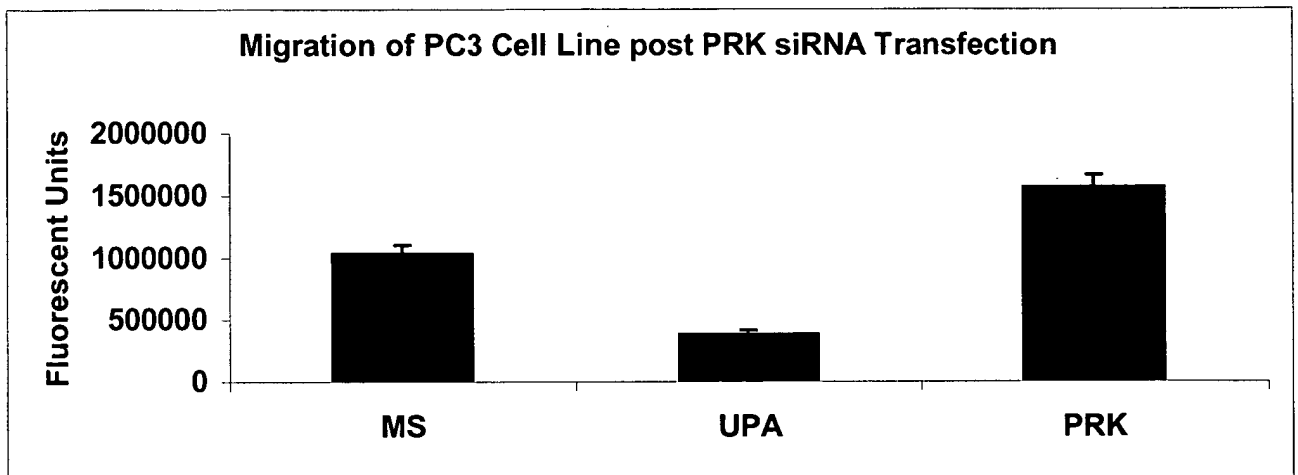


FIGURE 40 (a)



(b)

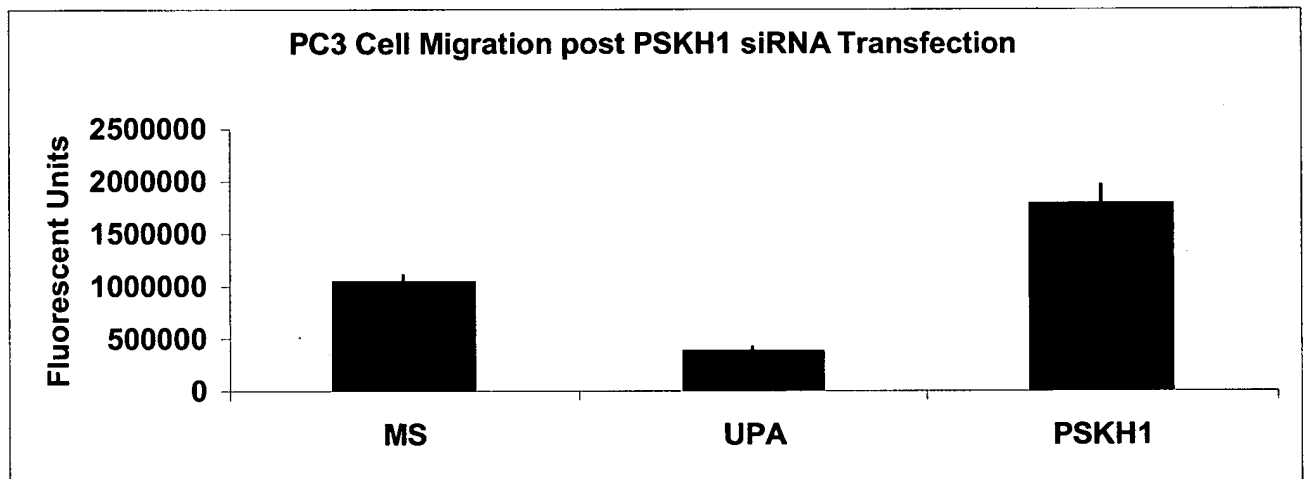
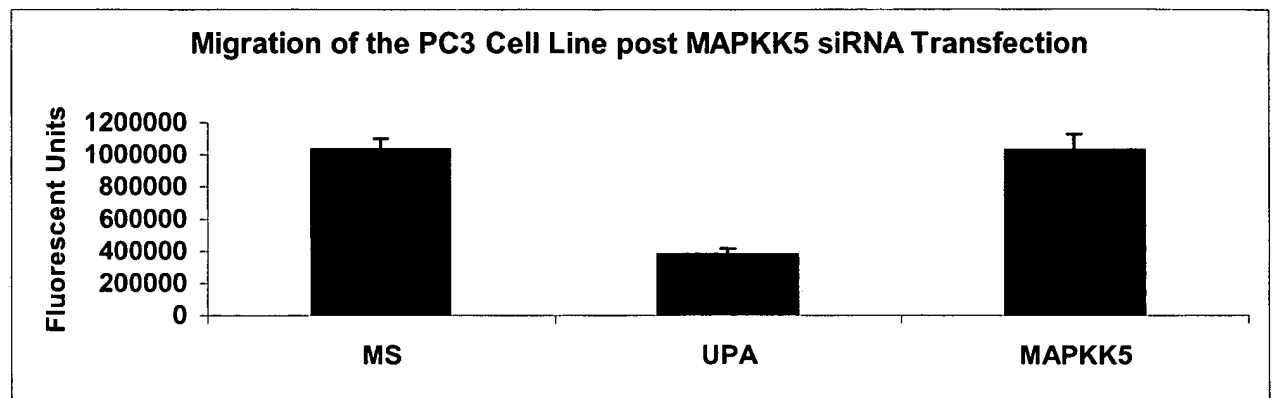


FIGURE 41

(a)



(b)

